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Department of Environmental Quality State Air Program



NONPAREIL CORPORATION TIER I PERMIT APPLICATION

SUBMITTED TO: Idaho Department of Environmental Quality 1410 NORTH HILTON BOISE, ID 83706

PREPARED BY:



7669 WEST RIVERSIDE DRIVE, SUITE 101 BOISE, IDAHO 83714

May 8, 2008

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1.0 INTRODUCTION AND OVERVIEW

1.1 INTRODUCTION

Nonpareil Corporation (Nonpareil) is applying for a Title V Operating Permit (OP). Nonpareil is currently operating under PTC / Tier II Permit #P-050300 which was issued on May 9, 2007.

Nonpareil processes dehydrated potato products at its plant in Blackfoot, Idaho. The east processing boiler at the facility failed in March 2008 and a new replacement east processing boiler has been proposed in a PTC application submitted April 14, 2008. In the PTC application, Nonpareil requested to replace the existing east processing boiler with a new boiler capable of combusting natural gas or No. 2 fuel oil.

In addition to the new east processing boiler, Nonpareil has a west processing boiler as well as other combustion and process emission sources that are included in this Tier I application. Under Nonpareil's current Tier II Permit #P-050300 Nonpareil had been determined to have the following point source potential to emit:

Table 1-1 Current Tier II Permit #P-050300 Potential to Emit

	CO	NO _x	SO_2	PM_{10}	VOC
İ	63.4 tpy	114.8 tpy	248.4 tpy	164.5 tpy	5.3 tpy

The plant is currently a Title V major source for NOx, PM-10, and SO₂. The plant is a minor source for Prevention of Significant Deterioration (PSD) purposes.

With the proposed new east processing boiler, Nonpareil would have the following point source potential to emit. This potential to emit incorporates the proposed east processing boiler and existing west processing boiler combined operating scenario which results in the maximum allowable emissions. The boiler operating scenario utilized in the PTE calculations assumes the west processing boiler will utilize 2,011,500 gallons of residual fuel oil (7,450 hr/yr) and the remaining hours on natural gas and the east processing boiler will operate 8,760 hr/yr on natural gas. All other fuel burning equipment will operate 8,760 hr/yr on natural gas. The permit limits requested in this Tier I permit application are summarized below:

Table 1-2 Requested Title V Permit Limits

CO	NO _x	SO_2	PM_{10}	VOC
75.5 tpy	117.6 tpy	248.4 tpy	164.99 tpy	5.5 tpy

With the submittal of this Tier I application, Nonpareil requests that the Idaho Department of Environmental Quality (DEQ) issue a Tier I, Title V OP for its proposed new east processing boiler and all other existing equipment.

1.2 PROJECT OVERVIEW

Nonpareil has proposed to construct a new east processing boiler at their existing facility in Blackfoot, Idaho. The new boiler will replace the existing east processing boiler which failed in early March. The new boiler is capable of combusting natural gas or No. 2 fuel oil.

The replacement of the east processing boiler along with associated permit limits pertaining to both the processing boilers was the only modification that affects existing permitted equipment. There were no other changes requested in the April 14, 2008 permit application to the process or equipment currently permitted under permit P-050300.

Section 2.0 - Facility Classification, discusses general facility information and includes the certified general facility information form.

Section 3.0 - Process Description, describes and shows the Nonpareil process.

Section 4.0 – Tier I Application Forms includes Section 1.0 of the Tier I Application Forms with a certified signature.

Section 5.0 - Regulatory Applicability Analysis, presents the state and federal air quality regulations that apply to the proposed reconnection and, equally important, the regulations that do not apply.

Section 6.0 - Emissions Calculations provides detailed emission calculations, and explanations of assumptions and conventions used in determining short and long term emission levels.

Section 7.0 – Excess Emissions Documentation discusses any excess emissions experienced by Nonpareil.

Section 8.0 – Ambient Air Impact Analysis includes a copy of the modeling analysis report that was submitted with the PTC application.

Section 9.0 – Compliance Certification Plan discusses compliance demonstration by Nonpareil and provides a schedule for obtaining compliance. A compliance certification is included.

Section 10.0 - Insignificant Activities lists any insignificant activities at the Nonpareil facility.

Section 11.0 – Alternative Operating Scenario/Trading Scenarios/Permit Shield discusses any applicable alternative operating scenarios, trading scenarios, and permit shields.

Section 12.0 – Demonstration of Compliance with Toxic Standards provides an analysis of the potential impact to the ambient air from any toxic air pollutants (TAPs) and hazardous air pollutants (HAPs) emitted from Nonpareil.

2.0 FACILITY CLASSIFICATION

The Nonpareil facility is not a designated facility, as defined at IDAPA 58.01.01.006.27. Nonpareil is a major facility for PM_{10} , NO_X and SO_2 because the potential to emit (PTE) is greater than 100 tons a year. The facility is a PSD minor source as no criteria pollutant exceeds 250 tpy.

2.1 FACILITY DESCRIPTION

Nonpareil is a potato processing company that packs, processes and dehydrates various potato products. The Nonpareil Corporation has three plants, all of which are contained within the same property boundary: Idaho Potato Packers, Nonpareil Dehydrated, and Nonpareil Processing.

- Idaho Potato Packers A fresh potato facility where potatoes are washed, sorted, sized and packaged.
- Nonpareil Dehydrated Obtains potatoes from Idaho Potato Packers. Potatoes are peeled
 or not, scrubbed, sorted, sliced or diced, wet sorted, blanched, and dried to form
 dehydrated potato pieces including slices, dices, strips, crush, and hash browns.
 Unacceptable wet and some unacceptable dried potatoes are taken to Nonpareil
 Processing.
- Nonpareil Processing Produces dehydrated potato flakes, flour agglomerate, dried starch, and other flake and flour-based potato products. Potatoes may be peeled and are scrubbed sorted, slabbed, precooked or not precooked, cooled, cooked, riced, and dried. Products are dried to 6% moisture and are broken up and grinded to customer specifications, packaged or stored, and then sold. This is the site where the east and west boilers are located. The process also includes dryers, flakers, peelers and baghouse equipment, which are also sources of emissions.

Descriptions of the process and the proposed boiler residual fuel reconnections are given in Section 3. Also, process flow diagrams are included in Section 3.

2.2 FACILITY LOCATION

The Nonpareil facility is located approximately 1 mile west of Blackfoot in Bingham County, Idaho. The location of Nonpareil is shown in Figure 3-3. The plant is located in Section 32, Township 2 South, Range 36 East, at Universal Transverse Mercator (UTM) Zone 12 coordinates of 388 km east, 4784 km north. The area is unclassifiable for all federal and state criteria pollutants.

3.0 PROCESS DESCRIPTION

3.1 GENERAL DISCUSSION

The process used to produce dehydrated potato product involves steam peeling, dryers, flakers, peelers and baghouse equipment for product transfer. Boilers provide the steam necessary for drying the product. Tanks are onsite to store the fuel required for the boilers and other facility equipment.

The sources of emissions have been identified in Table 3-1 below. The installation date or last modification date of each equipment item is shown in the table:

Table 3-1 Process Equipment¹

	INSTALLATION
	OR
	MODIFICATION
EQUIPMENT	DATE
Starch Dryer	1961
Starch Plant Baghouse	1961
Building #3 Air Makeup	1965
Building #4 Air Makeup	1965
Flaker No. 1	1970
Flaker No. 2	1970
Flaker No. 3	1970
Flaker No. 4	1970
Flake Baghouse	1970
Dehydration North Boiler	. 1973
Dehydration South Boiler	1973
Dryer # 1 A Stage	1973
Dryer # 1 B&C Stage	1973
Dryer # 2 A Stage	1973
Dryer # 2 B&C Stage	1973
Dryer # 3 A Stage	1973
Boiler #6 Fuel Oil Supply Tank	1973
Fuel Oil Reserve Tank	1973
Wet Area Air Makeup	1975
Inspection Room Roof Air Makeup	1975
Dehydration Steam Peeler	1984
Processing Peeler Exhaust	1985
Grinding Circuit No. 1 Baghouse	1988
Packing Baghouse No. 1	1988
Packing Baghouse No. 2	1988
Dryer # 3 B&C Stage	1989

¹ Specifications for the fuel burning and process equipment are provided on the appropriate IDEQ Tier I Application Forms, Sections 2 through 8.

Nonpareil Corporation

Dryer # 4 A Stage	1989
Dryer # 4 B Stage	1989
Dryer # 5 C Stage	1989
South Dryer Room 4&5 Air Makeup	1989
Dehydration Research Dryer	1989
Crush-room Baghouse No. 1	1989
Crush-room Baghouse No. 2	1989
Reblend Room Air Makeup	1990
South Dryer Room 4&5 Roof Air Makeup	1991
Dehydration Bin Dryer	1991
Gasoline Fuel Tank	1991
Processing West Boiler	1992
Dryer # 4 C Stage	1992
Dryer # 5 A Stage	1992
Dryer # 5 B Stage	1992
Flaker No. 5	1992
Scratch Match Dryer	1997
Scratch Match Air Makeup	1997
Scratch Mash Baghouse	1997
Grinding Circuit No. 2 Baghouse	1997
IPP Diesel Fuel Tank	1998
Jet Fuel "A" Tank	1998
Processing East Boiler	2008
1 Toccasing Last Doner	

3.2 DISCUSSION OF THE DEHYDRATION PROCESS

Nonpareil is a potato processing company. Their process primarily involves potato dehydration to make potato flakes, dices and slices. The process includes dryers and dehydration lines, which are also sources of emissions.

Initially potatoes are received at the plant on trucks and are unloaded into storage, with much of the rock and silt removed prior to storage. They are taken from the storage cellars for processing using cold water to transport and wash the potatoes. The potatoes are conveyed to a raw sort table where rot, sticks and other debris are removed. Waste products from this process, and from the processes described below, are used for cattle feed.

The potatoes enter a steam peeler, where they are exposed to steam for a brief period of time. This loosens the peeling prior to the brush peeling/washing stage. The steam is exhausted and quenched in a water bath. Excess steam may exhaust out the roof but most, if not all, of the steam is quenched by cool water and sent to land application. The peeling is fully removed by dry scrubbing which is done by revolving brushes.

In the flake line, the potatoes are sent to a pre-cooker, which blanches the material. This operation gelatinizes the starch. Potatoes are then cooled to retrograde the starch gelatinization for better texture and taste. The potatoes are water transported into cookers where they are exposed to steam to fully cook the potato. The potatoes are riced, forced through slots and broken into smaller pieces like mash, and added to the dehydration rolls.

The mashed/riced potatoes are spread across the face of the drum dryers with applicator rolls. Only whole cells stick to the drum. The steam drum dryer rotates and drives the moisture from the potato cells. The dryers are heated with steam from the boilers. The main dehydrated moisture is removed from the drum dryer stack.

The dried potato sheet is cut off the drum and broken into smaller pieces. Good flake goes to mills where it is cut into desired particle size and density (as required by customers) and air transported to product separation baghouses. The vacu-lift units either move dehydrated product or separate dust from the product and are powered by electrical fans. The flake is then bagged and placed into large totes for storage. The baghouse units move dehydrated product to bagging and/or tote filling stations, or remove dust from the areas these units service. Bagged product is sent to warehouses for storage or sent directly to shipping.

3.3 EQUIPMENT DESCRIPTIONS

Steam Peeler: Steam peelers combine steam and a vacuum to effectively explode potato peels away from the body of the potatoes. Pressure peelers bring potatoes in through a pressure valve into a high-pressure chamber that uses steam to scald the potatoes. The steam permeates just below the peel, and then a vacuum is drawn on the system that causes the trapped steam to explode away the peel. The potatoes then are passed through a relief valve to return to atmospheric pressure.

Pre-cooker/Blancher: This equipment is designed to prepare the potatoes for the drum dryers by heating them so they are easier to spread. Water constantly flows from the top of the pre-cooker at a high volume, heating the whole potatoes to a precise, uniform internal temperature as they pass through the unit on a stainless steel conveyor belt.

Drum Dryer: The drum dryer has steam rotary drum and a scraper blade to scrape material dried on the drum surface. The basic need of a drum dryer is to evaporate water particle from the blanched potatoes processed in the pre-cookers with the dried material to be scraped and collected.

Flakers: Flakers are for the conversion of materials from a liquid state to solid flakes in a single operation. This change of state is achieved by applying a film of the material to be flaked to the outer surface of a horizontal rotating drum, which is cooled internally by means of water. As the drum rotates, the liquid film solidifies and is subsequently removed from the drum surface by a doctor blade or knife.

Single-Stage Dryers: These dryers consist of a single conveyor that carry product through the multiple zones of the dryers. Each zone varies in operating temperature and airflow. By using the zone arrangements, temperature and airflow efficiencies can be optimized during periods of maximum evaporation. Bed depth is held uniform through-out the process, resulting in an accurate and predictable drying rate with the highest possible drying efficiency.

Multi-Stage Dryers: Theses dyers incorporate a series of single-stage, multizone units. It is ideal for products with a high incoming moisture content, which would benefit from reorientation by transferring between conveyor belts at the ideal time in their drying cycle. Product bed depth and air flow vary between stages based on the product's drying curve. Discrete zones allow both air flow and temperature to be independently altered to maintain proper process parameters.

3.4 BOILER OPERATION

Currently, Nonpareil operates their east and west process boilers on natural gas. The boilers also are capable of combusting fuel oil. The west boiler is capable of combusting No. 6 fuel oil and the new east boiler will have the capability of operating on No. 2 fuel oil. Only one boiler at a time will operate on fuel oil. The No. 6 residual fuel oil sulfur content shall not exceed 1.55% sulfur by weight and the No. 2 distillate fuel oil sulfur content shall not exceed 0.5% sulfur by weight.

Nonpareil has the option of using emulsifier at all times if the boilers are source tested while using emulsifiers. If Nonpareil chooses to use an emulsifier, it will use it at all times and during source testing.

3.5 NONPAREIL DIAGRAMS AND MAPS

This section contains the maps and diagrams necessary to accurately show Nonpareil's process and facility. Nonpareil's process flow diagrams for the dehydration and processing plants are shown in Figures 3-1 and 3-2 (a flow diagram for the Potato Packer Plant is not shown because it is a fresh potato facility and generates no emissions). A location map is shown in Figure 3-3. A facility site plan is shown in Figure 3-5.

Figure 3-1 Process Flow Diagram

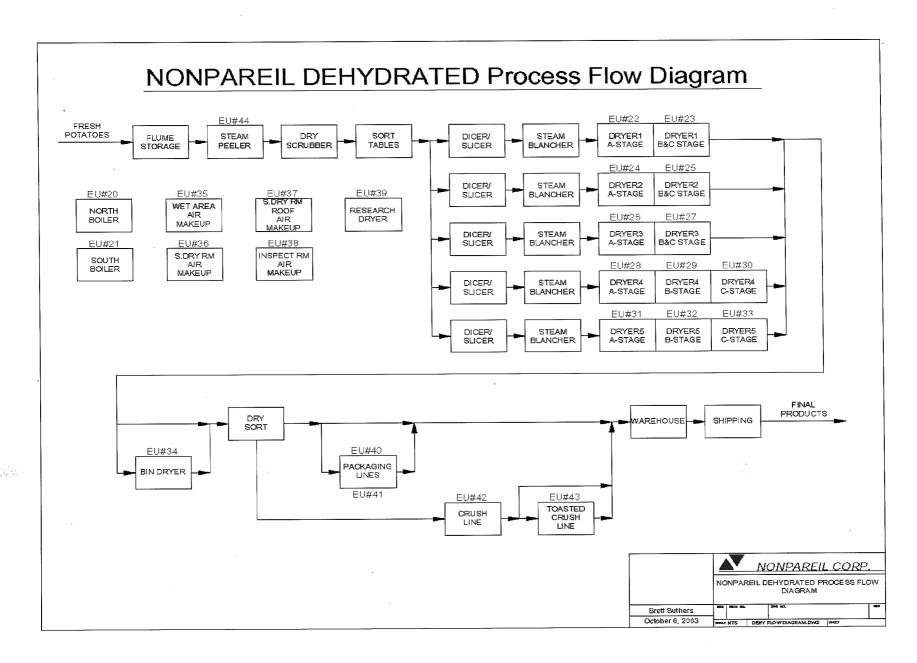


Figure 3-2 Process Flow Diagram (Continued)

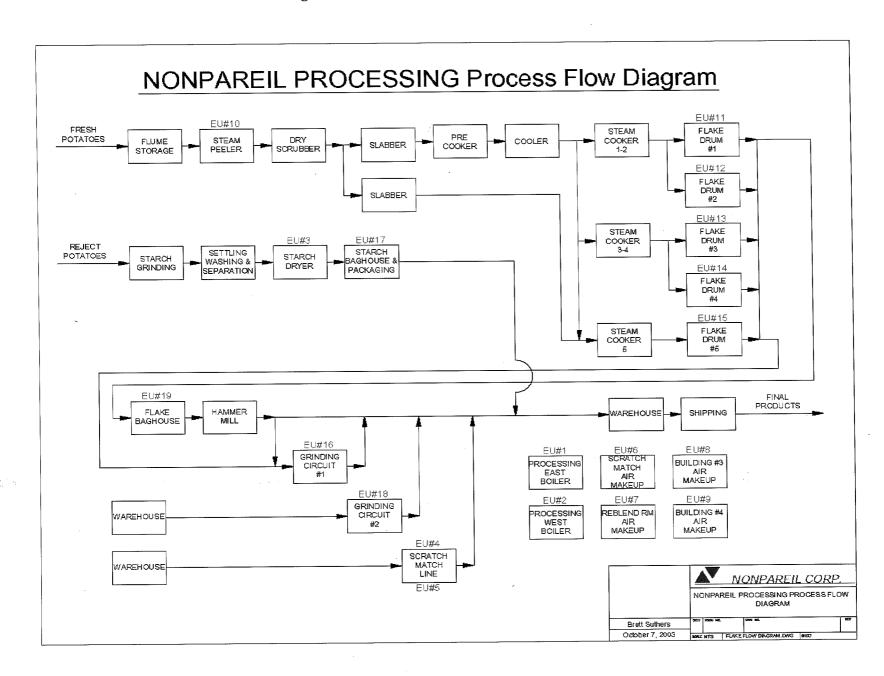


Figure 3-3 Nonpareil Location Map

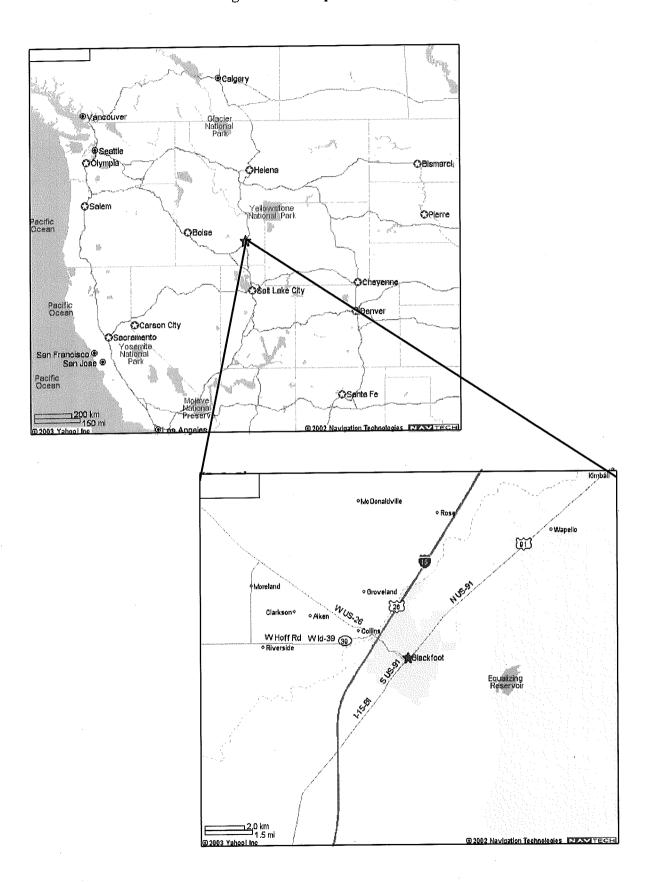


Figure 3-4 Nonpareil Plot Plan

SEE ORIGINAL APPLICATION FOR PLOT PLAN

4.0 PERMIT APPLICATION FORMS



Brett Suthers

Print or Type Responsible Official Name

AIR QUALITY TIER I OPERATING PERMIT APPLICATION

SECTION 1: GENERAL INFORMATION

Company & Division Name:	Nonpareil Corporation		
Company Mailing Address:	40 North 400 West		
City:	Blackfoot	State: ID	Zip: 83221
•		- Control - Cont	
Company Environmental Contact Name:	Brett Suthers	Dhono	208-785-5880
Title:	Engineering Manager	Phone:	200-700-0000
Company Owner or Responsible Official Name:	Brett Suthers		
Title:	Engineering Manager	Phone:	208-785-5880
Exact Plant Location:	Due west of Blackfoot ¾ of a m	ile	
General Nature of Business:	Potato Processing Plant		
No. Full-time Employees:	450-500	Property Area (acres):	523.7
Reason for Application:	☐ Initial Tier I permit to operate		
	☐ Renewal Tier I permit to ope ☐ Modification/Amendment of		<u> </u>
	☐ Change of ownership or loca	-	u -
	Citalige of ownership of loca	ation	
Distance to Nearest State Border (miles):	66.4		
Primary SIC:	2034	Secondary SIC:	None
Plant Location County:	Bingham	Elevation (ft):	4498
UTM Zone:	12		
UTM (X) Coordinate (kM):	388	UTM (Y) Coordinate (kM):	4784
LIST ALL FACILITIES WITHIN THE STATE EMISSIONS TO THE AIR. IF NOT, SO STA			
Name of Facility	A STATE OF THE STA	Location of Other Fa	CHRY
Idaho Potato Packers	Blackfoot, Idaho		
Nonpareil Dehydrated	Blackfoot, Idaho		
Nonpareil Processing	Blackfoot, Idaho		
Owner or Responsible Official	Walter Gay		
Title of Responsible Official	Vice President Operations		
Certification of Truth, Accuracy, and Comp I hereby certify that based on information and any attached and/or referenced document(s)	belief formed after reasonable in	quiry, the statements and inform accordance with IDAPA 58.	rmation contained in this and 01.01.123-124.
Trapolition amount agriculta	· sample comment		• • •

~			C1 1C1	BURNING	- =0	HOMENIT
SEC	חודי	МЭ.	FUEL	BURNING	ュヒい	JIPIVICINI

PROCESSING WEST BOILER

DEO	LICE	ONII	v

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC	
DEQ SEGMENT CODE			

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	PROCESSING WE	EST BOILER	
STACK DESCRIPTION	POINT SOURCE		
BUILDING DESCRIPTION	PROCESS PLANT	BOILER ROOM	
MANUFACTURER	ERIE CITY	MODEL SA60H-21	DATE INSTALLED 1990
			DATE LAST MODIFIED Never

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	40.5	BURNER TYPE LOW-NOx
1000 LBS STEAM/HR		% USED FOR PROCESS 100
KILOWATTS		% USED FOR SPACE HEAT 0

FUEL DATA**

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
ANAMETER				
FUEL CODE (SEE NOTE)	1	na*	4	na
,			·	
PERCENT SULFUR	<0.001	%	1.55	%
PERCENT ASH	0	%	0.02	%
PERCENT NITROGEN	3.4	%	0.18	%
				T
PERCENT CARBON	72.5	%	84	%%
PERCENT HYDROGEN	23.8	%	11	%
				%
PERCENT MOISTURE	0	%	<2.0	. 70
HEAT CONTENT			450,000	BTU/gal
(BTU/UNIT)	1,020	BTU/scf	150,000	BTO/gai
	39705.88		270.00	
MAXIMUM HOURLY	39703.00	SCF/HR]	GAL/HR
COMBUSTION RATE (UNITS/HR)		3017110		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	347.82	MMSCF/YR**	2.01	MMGAL/YR**

*Not applicable **Assumes west boiler will be the one operating on NG.

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

PROCESSING WEST BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAY/WEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

STACK DATA

VENTILATION AND BUILDING/AREA DATA	SIACK DATA	
ENCLOSED (Y/N)? N	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	60
BUILDING/AREA LENGTH (FT) 50	STACK EXIT DIAMETER (FT)	2.95
BUILDING/AREA WIDTH (FT) 40	STACK EXIT GAS FLOWRATE (ACFM)	9149
	STACK EXIT TEMPERATURE (DEG. F)	410

AIR POLLUTANT EMISSIONS**

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EMI	SSIONS
POLLOTAN		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
							T	
PM		7.60E-06	lb/scf	0	5.12E+00	na	na	na
PM-10		7.60E-06	lb/scf	1 0	5.12E+00	5.52	21.01	Tier II OP, No. 011-00027
PW-10		7.002.00						Combined for East and West Boilers
SO2		6.00E-07	lb/scf	0	6.65E+01	66.573	248.02	Tier II OP, No. 011-00027 Combined for East and West Boilers
co		8.40E-05	lb/scf	0	3.34E+00	na	na	na
NOX		1.00E-04	lb/scf	0	1.49E+01	na	na	na
voc		5.50E-06	lb/scf	0	3.46E-01	na	na	na
LEAD		5.00E-10	lb/scf	0	4.00E-03	na	na	na

EER for NG from AP-42, Table 1.4-1.2, 1998. EF for residual oil from AP-42, Table 1.3-1,3,11, 1998.

**Assumes east boiler will be the one operating on NG.

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE NOTE:

SECTION 2: FUEL-BURNING EQUIPMENT

							EQ USE ONLY	a
		ode _	Q Stack ID Co	D			EQ Plant ID Code	130
		50.5	mary SCC	P			EQ Building Code	
			condary SCC	s	Fell Control)	EQ Segment Code	1000
				- 1			EQ Process Code	D
						· · · · · · · · · · · · · · · · · · ·		
							, PART A.	SECTION 2,
							FORMATION	GENERAL INI
					ing Boiler	East Processin	or Description _	Process Code o
						Point	on _	Stack Description
				n	t Boiler Room	Process Plant		Building Descrip
April 2008	Date Installed		0	el NS-C-	Mode	Company	Nebraska Boiler	Manufacturer
	Date Last Modified							
)	ITE UNITS	APPROPRIA	CITY (CHOOSE	RATED CAPA
	Horsepower	owatts	Kilo	_40	am/hr	1000 lbs Steam		Million BTU/hr
				100	rocess	% Used for Pro		Burner Type
				,	pace Heat	% Used for Sp	(see note below)	••
								FUEL DATA
Units	Secondary Fuel	nits	Un	nary Fuel	Prim		Parameter	
	02		_	01			note below)	Fuel Code (see r
	0.5			NA				Percent Sulfur
			_ .	NA				Percent Ash
			_				en	Percent Nitroge
		,	_				1	Percent Carbon
			_				gen	Percent Hydrog
							re	Percent Moistur
gallon	140,000	Scf		1,000				Heat Content (E
gallon	340	Scf		52,360			ly Combustion Rate	
gallon	340	Scf		52,360	5	(units/hr)	Combustion Rate (Normal Annual
	##2 Fuel Oil uel Oil r #6 Fuel Oil d Chips d Bark d Shavings der Dust oituminous Coal	03 - #4 Fu 04 - #5 or: 05 - Used 06 - Wood 07 - Wood 08 - Wood 09 - Sande 10 - Subbi	Fuel Codes:)	eling Grate ace bulverized coal) bulverized coal) bkers Fired ired	01 - Spread stoker 02 - Chain or Trave 03 - Hand Fired 04 - Cyclone Furna 05 - Wet Bottom (p 06 - Dry Bottom (p 07 - Underfeed Sto 08 - Tangentially F 09 - Horizontally Fi 10 - Axially Fired	
	r #6 Fuel Oil d Oil d Chips d Bark d Shavings der Dust bituminous Coal ninous Coal racite Coal	04 - #5 or: 05 - Used 06 - Wood 07 - Wood 08 - Wood 09 - Sande 10 - Subbi 11 - Bitum)	oulverized coal) oulverized coal) okers Fired ired	04 - Cyclone Furna 05 - Wet Bottom (p 06 - Dry Bottom (p 07 - Underfeed Sto 08 - Tangentially F 09 - Horizontally Fi	

14 - Propane

15 - Other (specifiy): ___

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consu	mption Per Quarter	
Dec – Feb	25	
Mar – May	25	
Jun – Aug	25	
Sep – Nov	25	

Operating S	Schedule
Hours/Day	24
Days/Week	7
Weeks/Year	52

POLLUTION CONTROL EQUIPMENT

Parameter
Туре
Type Code (from APP.A)
Manufacturer
Model Number
Pressure Drop (in. of water)
Wet Scrubber Flow (GPM)
Baghouse Air/Cloth Ration (FPM)

	Primary		
NA			

	Secondary	/
NA		

VENTILATION AND BUILDING/AREA DATA

• • • • • • • • • • • • • • • • • • • •	
sed?	Yes 🛛 No
Type (from APP.B)	
num Flow (acfm)	
ent Capture Efficiency	
ing Height (ft) <u>16.5</u>	5
ing/Area Length (ft) 50	
ing/Area Width (ft) 40	
ing Height (ft) 16.5 ing/Area Length (ft) 50	5

STACK DATA

Ground Elevation (ft)	4498
UTM X Coordinate (km)	388.318
UTM Y Coordinate (km)	4,784
Stack Type (see note below)	03
Stack Exit Height from Ground Level (ft)	45 ft or 60 ft
Stack Exit Diameter (ft)	3.0 ft
Stack Exit Gas Flowrate (acfm)	14,353 or 13,952
Stack Exit Temperature (°F)	335

AIR POLLUTION EMISSIONS

Pollutant CAS #	Emission Percent	Estimated or Measured Emissions (lbs/hr)		Allowable Emissions			
	Factor (see Control below) Efficiency		lbs/hr	tons/yr	Reference		
РМ							
PM ₁₀		7.6 lb/MMscf		0.40	5.52	21.01	Combined
SO ₂		0.6 lb/MMscf		0.03	66.57	248.02	for E&W boilers
СО		84 lb/MMscf		4.40			
NO _X		50 lb/MMscf		2.62			
VOC		5.5 lb/MMscf		1.26			
Lead							
					•		
					-		

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 - Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

DEG OSE ONE			
DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE	_
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC	-
DEQ SEGMENT CODE			

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRI	DTIGETARCH DRVER			
PROCESS CODE OR DESCRI	PHOSTAROHDRIER			
STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	STARCH PLANT			
MANUFACTURER	MAXON	MODEL MAXON 445	DATE INSTALLED	1961
			DATE LAST MODIFIED	1961

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR 4.2	BURNER TYPE 9	
1000 LBS STEAM/HR	% USED FOR PROCESS	. 100
KILOWATTS	% USED FOR SPACE HEAT	0
HORSEPOWER		

FUEL DATA

	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	PRIMARTI OLL	Dittio		
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
				1
PERCENT ASH	0	%%		
	3.4	%		
PERCENT NITROGEN	3.4			
PERCENT CARBON	72.5	%		
TEROENT GARBOR				
PERCENT HYDROGEN	23.8	%		
				T
PERCENT MOISTURE	0	%		
			T	
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
(BTO/ONT)	1			
MAXIMUM HOURLY	4117.65			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
				1
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	36.07	MMSCF/YR		
*Not applicable	30.07	1		
Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

STARCH DRYER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)	·	
BAGHOUSE AIR/CLOTH RATIO (FPM)		

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STACK DATA

STACK DATA	
GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	. 388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	5,600
STACK EXIT TEMPERATURE (DEG. F)	92
	GROUND ELEVATION (FT) UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

OLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLOTAINT	1	FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
					(LBS/HR)			
						·	I	Inc
PM		7.60E-06	lb/scf	0	3.13E-02	na	na na	na
		T			3.13E-02	0.37	1.6	Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	0	3, 13E-02	0.37	1.0	HELL OF THE STATE
-		6.00E-07	lb/scf	0	2.47E-03	na	na	na
SO2		0.002.01						
CO		8.40E-05	lb/scf	0	3.46E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.12E-01	na	na	na ·
VOC		5.50E-06	lb/scf	0	2.26E-02	na	na	na na
					1			1
LEAD		5.00E-10	lb/scf	0	2.06E-06	na	na	na

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EC	UIPMENT SCRATO	CH MASH DRYER		
DEQ USE ONLY				
DEQ PLANT ID CODE	DEQ PR	OCESS CODE	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMAR	YSCC	SECONDARY SCC	
DEQ SEGMENT CODE				
PART A: GENERAL INFORMA				
PROCESS CODE OR DESCRIP	TIQ SCRATCH MATCH I	DRYER		
STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	PROCESSING PLAN	NT REBLENDING ROOM		
MANUFACTURER	MAXON	MODEL MAXON 500	DATE INSTALLED	1997
			DATE LAST MODIFIED	1997
RATED CAPACITY (CHOOSE A	PPROPRIATE UNITS)			
MILLION BTU/HR 8	5.5	BURNER TYPE	9	
1000 LBS STEAM/HR	\neg	% USED FOR	PROCESS 100	

FUEL DATA

KILOWATTS
HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
TARMETER				
FUEL CODE (SEE NOTE)	1	na*	None	
				· · · · · · · · · · · · · · · · · · ·
PERCENT SULFUR	<0.001	%		
				r
PERCENT ASH	0	%		
	3.4	%		T
PERCENT NITROGEN	3.4	76	<u> </u>	
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%%		
PERCENT MOISTURE	0	%		
PERCENT MOIOTORE				
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
				Τ
MAXIMUM HOURLY	5392.16	SCF/HR		
COMBUSTION RATE (UNITS/HR)		SCF/HR		<u></u>
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	47.24	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

SCRATCH MASH DRYERS

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYMEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
16.5 STACK EXIT HEIGHT FROM GROUND LEV	EL (FT) 45
90 STACK EXIT DIAMETER (FT)	2.95
60 STACK EXIT GAS FLOWRATE (ACFM)	22,700
STACK EXIT TEMPERATURE (DEG. F)	91
	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) 16.5 STACK EXIT HEIGHT FROM GROUND LEV 90 STACK EXIT DIAMETER (FT) 60 STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
	1	FACTOR		CONTROL	MEASURED	1		
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
				1	(LBS/HR)			
PM		7.60E-06	lb/scf	0	4.10E-02	na	na .	na
PM-10		7.60E-06	lb/scf	0	4.10E-02	2.56	11.20	Tier II OP, No. 011-00027
141.10								
SO2		6.00E-07	lb/scf	0	3.24E-03	na	na	na
-								
co		8.40E-05	lb/scf	0	4.53E-01	na	na	na
NOX		1.00E-04	lb/scf	0	5.39E-01	na	na	na
NOX.								
voc		5.50E-06	lb/scf	0	2.97E-02	na	na	na
VOC								
LEAD		5.00E-10	lb/scf	0	2.70E-06	na	na	na
-EUN				a and particulate are	11			

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

^{**} Summation of fuel burning and particulate emissions.

SECTION 2: FUEL BURNING EQUIPMEN	NT SCRATCH MASH AIR MA	KEUP		
DEQ USE ONLY				
DEQ PLANT ID CODE	DEQ PROCESS CODE	DEC	Q STACK ID CODE	
DEQ BUILDING CODE	PRIMARY SCC	SEC	CONDARY SCC	\Box
DEQ SEGMENT CODE				
PART A: GENERAL INFORMATION				
PROCESS CODE OR DESCRIPTION SCR	ATCH MATCH AIR MAKEUP			_
STACK DESCRIPTION VOL	JME			
BUILDING DESCRIPTION PRO	CESSING PLANT REBLEND RO	MC		
MANUFACTURER HAR	TZELL MODEL N.	A DA	TE INSTALLED 19	97
		DA	TE LAST MODIFIED 19	97
RATED CAPACITY (CHOOSE APPROPR	RIATE UNITS)			
MILLION BTU/HR 5	BURNER TYP	PE 9		
1000 LBS STEAM/HR	[%	USED FOR PROCESS	100	

FUEL DATA

KILOWATTS HORSEPOWER

1000 LBS STEAM/HR

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
		- %	т	
PERCENT SULFUR	<0.001	70		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
		0/		1
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
TEROEM THEROCEN				
PERCENT MOISTURE	0	%		
				
HEAT CONTENT		DT: 145		
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	4901.96			
COMBUSTION RATE (UNITS/HR)	1	SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		
*Not Available				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

SCRATCH MASH AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

REA DATA	STACKDATA	
N	GROUND ELEVATION (FT)	4,498
NA	UTM X COORDINATE (KM)	388
NA	UTM Y COORDINATE (KM)	4,784
YNA	STACK TYPE (SEE NOTE BELOW)	NA
16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
90	STACK EXIT DIAMETER (FT)	, NA
60	STACK EXIT GAS FLOWRATE (ACFM)	NA
	STACK EXIT TEMPERATURE (DEG. F)	NA
	NA	N GROUND ELEVATION (FT) NA UTM X COORDINATE (KM) NA UTM Y COORDINATE (KM) Y NA STACK TYPE (SEE NOTE BELOW) 16.5 STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 90 STACK EXIT DIAMETER (FT) 60 STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
		FACTOR (SEE BELOW)*		CONTROL	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
		1						
PM		7.60E-06	lb/scf	0	3.73E-02	na na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na
СО		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na ·	na
voc		5.50E-06	lb/scf	0	2.70E-02	na	na	na
		<u> </u>						
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summalion of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPMENT	REBLEND ROOM AIR MAKEUP
DEQ USE ONLY	
DEQ PLANT ID CODE	DEQ PROCESS CODE DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC SECONDARY SCC
DEQ SEGMENT CODE	
PART A: GENERAL INFORMATION PROCESS CODE OR DESCRIPTIQUEDLEN	ID ROOM AIR MAKEUP
STACK DESCRIPTION VOLUMI	
BUILDING DESCRIPTION PROCES	SSING PLANT REBLEND ROOM
MANUFACTURER HARTZE	ELL MODEL IGMP10 DATE INSTALLED 1970
	DATE LAST MODIFIED 1970
RATED CAPACITY (CHOOSE APPROPRIAT	re units)
MILLION BTU/HR 1	BURNER TYPE 9
1000 LBS STEAM/HR	% USED FOR PROCESS 100

FUEL DATA

KILOWATTS HORSEPOWER

1000 LBS STEAM/HR

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%%		
PERCENT ASH	0	%		
	3.4	. %		
PERCENT NITROGEN	3.4	70		
PERCENT CARBON	72.5	%		
	23.8	%	1	
PERCENT HYDROGEN	23.0	70		
PERCENT MOISTURE	0	%		
THE POLITICAL PROPERTY.				
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	980.39			
COMBUSTION RATE (UNITS/HR)		SCF/HR		J
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	8.59	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

REBLEND ROOM AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
LITM Y COORDINATE (KM)	4,784
DIM I COOKDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	NA
THE STATE OF THE S	SOURCE HEIGHT = 10 F
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT - 101
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	IISSIONS
OLLOTANI		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.45E-03	na	na	na
							I	T
PM-10		7.60E-06	lb/scf	0	7.45E-03	0.01	0.03	Tier II OP, No. 011-00027
							r	
SO2		6.00E-07	lb/scf	0	5.88E-04	na	na	na
							,	
CO		8.40E-05	lb/scf	0	8.24E-02	na	na	na
NOX		1.00E-04	lb/scf	0	9.80E-02	na	na	na
voc		5.50E-06	lb/scf	0	5.39E-03	na	na	na
LEAD		5.00E-10	lb/scf	1 0	4.90E-07	na	na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQ	UIPMENT BUILDING	9#3 AIR MAKEU	JP			
DEQ USE ONLY	٠					
DEQ PLANT ID CODE	DEQ PRO	CESS CODE		DEQ STAC	CK ID CODE	
DEQ BUILDING CODE	PRIMARY	scc		SECONDA	ARY SCC	
DEQ SEGMENT CODE						
PART A: GENERAL INFORMA	TION					
PROCESS CODE OR DESCRIPT	ICBUILDING#3 AIR MA	AKEUP				
STACK DESCRIPTION	VOLUME					
BUILDING DESCRIPTION	PROCESSING PANT	BUILDING#3				
MANUFACTURER	HARTZELL	MODEL IG	MP30	DATE INS	TALLED	1965
				DATE LAS	ST MODIFIED	1965
RATED CAPACITY (CHOOSE AF	PROPRIATE UNITS)					
MILLION BTU/HR	3	BURNER TYP	E	9		
1000 LBS STEAM/HR	7	96	USED FOR PR	OCESS	100	

FUEL DATA

KILOWATTS HORSEPOWER

1000 LBS STEAM/HR

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	11	na*	None	
PERCENT SULFUR	<0.001	%		
		%		T
PERCENT ASH	0	70		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	- %		
				T
PERCENT HYDROGEN	23.8	%		L
PERCENT MOISTURE	0	%		
PERCENT MOISTORE				
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	2941.18	257415		
COMBUSTION RATE (UNITS/HR)		SCF/HR		L
NORMAL ANNUAL			T	
COMBUSTION RATE (UNITS/YR)	25.76	MMSCF/YR		
*Not applicable				
at humans				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

BUILDING #3 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		·
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		·
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

	GROUND ELEVATION (FT)	4,498
A	UTM X COORDINATE (KM)	388
A	UTM Y COORDINATE (KM)	4,784
A	STACK TYPE (SEE NOTE BELOW)	NA
16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
65	STACK EXIT DIAMETER (FT)	NA .
60	STACK EXIT GAS FLOWRATE (ACFM)	NA
	STACK EXIT TEMPERATURE (DEG. F)	NA
	A 16.5 65	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) 16.5 STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
022017111		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
								II
PM		7.60E-06	lb/scf	0	2.24E-02	na	na	na ·
		7.60E-06	lb/scf	0	2.24E-02	0.02	0.1	Tier II OP, No. 011-00027
PM-10		7.6UE-U6	ID/SCI		2.241-02	0.02	0.,	113.11.21.21.21.21.21.21.21.21.21.21.21.21.
SO2		6.00E-07	lb/scf	0	1.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.47E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.94E-01	na	na	na
					1			
VOC		5.50E-06	lb/scf	0	1.62E-02	na	na	na
		5,00E-10	lb/scf	1 0	1.47E-06	na	na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

 $\stackrel{\cdot}{\text{EMISSION}}$ FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQ	UIPMENT BUILDING	6#4AIR MAKE	JP			
DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PRO	CESS CODE		DEQ STACE	(ID CODE	
DEQ BUILDING CODE	PRIMARY	scc		SECONDAR	RY SCC	
DEQ SEGMENT CODE						
PART A: GENERAL INFORMA	ATION					
PROCESS CODE OR DESCRIP	FIG BUILDING # 4 AIR MA	AKEUP				
STACK DESCRIPTION	VOLUME					
BUILDING DESCRIPTION	PROCESSING PLAN	T BUILDING#4				
MANUFACTURER	HARTZELL	MODEL N	A	DATE INST.	ALLED	1965
				DATE LAST	MODIFIED	1965
RATED CAPACITY (CHOOSE AR	PROPRIATE UNITS)					
MILLION BTU/HR	10	BURNER TY	PE	9		
1000 LBS STEAM/HR	\neg	9	USED FOR PRO	CESS	100	

% USED FOR PROCESS

% USED FOR SPACE HEAT

FUEL DATA

KILOWATTS HORSEPOWER

1000 LBS STEAM/HR

	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	PRIMARTIFULE	OTTO	Jozefitzi	
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%%		
	F 24	%		
PERCENT NITROGEN	3.4	70		
PERCENT CARBON	72.5	%		
T ENGERT OF TREE				
PERCENT HYDROGEN	23.8	%		
	I 0	%		
PERCENT MOISTURE		76		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
				
MAXIMUM HOURLY	9803.92			
COMBUSTION RATE (UNITS/HR)		SCF/HR		<u> </u>
NOTATAL ANDUIAN				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	85.88	MMSCF/YR		
*Not Available				
Not Available				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

BUILDING #4 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPI	vI)	

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA	OTACK BATA	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	NA
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
BUILDING/AREA LENGTH (FT) 100	STACK EXIT DIAMETER (FT)	NA
BUILDING/AREA WIDTH (FT) 60	STACK EXIT GAS FLOWRATE (ACFM)	NA
	STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
022017111		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
							I	lan .
PM		7.60E-06	lb/scf	00	7.45E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	7.45E-02	0.08	0.33	Tier II OP, No. 011-00027
PW-10		,,,=====						
SO2		6.00E-07	lb/scf	0	5.88E-03	na	na	na
co		8.40E-05	lb/scf	0	8.24E-01	na	na	na
NOX		1.00E-04	lb/scf	0	9.80E-01	na	na	na
		5,50E-06	lb/scf	0	5.39E-02	na	na	na
voc		5.502.00			1			
LEAD		5.00E-10	lb/scf	0	4.90E-06	na	na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQU	IPMENT DEHYDRA	ATION NORTH BOILER			
DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ PRO	CESS CODE	J	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY	SCC		SECONDARY SCC	
DEQ SEGMENT CODE]				
PART A: GENERAL INFORMAT PROCESS CODE OR DESCRIPTION		TH BOILER			
	IPOINT				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION BOIL	ER ROOM			
MANUFACTURER	HIGHLANDER	MODEL 250-3] [DATE INSTALLED	1973
			[DATE LAST MODIFIED	1973
RATED CAPACITY (CHOOSE APP	PROPRIATE UNITS)				
MILLION BTU/HR 10.5		BURNER TYPE	9		

FUEL DATA

KILOWATTS
HORSEPOWER

1000 LBS STEAM/HR

				111170
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	10294.12			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
,				
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	90.18	MMSCF/YR		,
*Not applicable				
1101 applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR PROCESS

% USED FOR SPACE HEAT

100

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION NORTH BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

7 0220 71011 001111101 2 2 2 2 2 2 2 2 2 2 2 2 2		OFFICE VIEW PARTY
PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTUATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA		
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
BUILDING/AREA LENGTH (FT) 45	STACK EXIT DIAMETER (FT)	1.6
BUILDING/AREA WIDTH (FT) 50	STACK EXIT GAS FLOWRATE (ACFM)	2,430
	STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

OLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLO IAITI		FACTOR (SEE BELOW)*		CONTROL	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.82E-02	na	na	na
					7.82E-02	0.08	0.34	Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	0	7.82E-02	0.00	0.34	TICH II OF , IND. OT F COCE.
SO2		6.00E-07	lb/scf	0	6.18E-03	na	na	na na
00		8.40E-05	lb/scf	0	8.65E-01	na	na	na
,,,								
NOX		1.00E-04	lb/scf	0	1.03E+00	na	na	na
								<u> </u>
voc		5.50E-06	lb/scf	0	5.66E-02	na	na	na
-EAD		5.00E-10	lb/scf	0	5.15E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIP	PMENT DEHYDRA	TION SOUTH B	OILER			
DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PROC	CESS CODE		DEQ STACK	(ID CODE	
DEQ BUILDING CODE	PRIMARY	SCC		SECONDAR	YSCC	
DEQ SEGMENT CODE						
PART A: GENERAL INFORMATIO						
PROCESS CODE OR DESCRIPTION	DEHYDRATION SOUT	H BOILER				
STACK DESCRIPTION	POINT					
BUILDING DESCRIPTION	DEHYDRATION BOILE	R ROOM				
MANUFACTURER	HIGHLANDER	MODEL 20	0-111	DATE INSTA	ALLED	1973
				DATE LAST	MODIFIED	1973
RATED CAPACITY (CHOOSE APPR	ROPRIATE UNITS)					
MILLION BTU/HR 8.4		BURNER TYP	E _	9		
1000 LBS STEAM/HR		%	USED FOR PROC	ESS	100	

FUEL DATA

KILOWATTS HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
1740				
FUEL CODE (SEE NOTE)	11	na*	None	
PERCENT SULFUR	<0.001	- %		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT NITROGEN	0.1			
PERCENT CARBON	72.5	%		
				1
PERCENT HYDROGEN	23.8	%		
		%		
PERCENT MOISTURE	0	70		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	8235.29			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
Constant ANNUAL		1		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	72.14	MMSCF/YR		
*Not applicable				
1404 applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);

07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL

06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;

10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL

14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION SOUTH BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLI UTION CONTROL EQUIPMENT

POLLUTION CONTROL EQUIPMENT		
PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA		
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
BUILDING/AREA LENGTH (FT) 45	STACK EXIT DIAMETER (FT)	2.95
BUILDING/AREA WIDTH (FT) 50	STACK EXIT GAS FLOWRATE (ACFM)	1,880
	STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
POLEOTANT		FACTOR (SEE BELOW)*		CONTROL	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	6.26E-02	na	na	na
			11-16	1 0	6.26E-02	0.03	0.27	Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	U	0.20E-02	0.03	0.27	
SO2		6.00E-07	lb/scf	0	4.94E-03	na	na	na
СО		8.40E-05	lb/scf	0	6.92E-01	na	na	na
							T	
NOX		1.00E-04	lb/scf	0	8.24E-01	na	na na	na ·
voc		5.50E-06	lb/scf	0	4.53E-02	na	na	na
LEAD		5,00E-10	lb/scf	0	4.12E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL	BURNING FOURMENT	ī

DEHYDRATION AIR DRYER # 1 A STAGE

DEO	LISE	ONI	٧

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC

DEQ SEGMENT CODE

PART A: GENERAL INFORMATION

STACK DESCRIPTION	POINT		
BUILDING DESCRIPTION	DEHYDRATION	DRYER ROOM 1,2,3	
MANUFACTURER	PROCTOR	MODEL 432	DATE INSTALLED 197

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR 6.4	BURNER TYPE 10
1000 LBS STEAM/HR	% USED FOR PROCESS 1
KILOWATTS	% USED FOR SPACE HEAT
HORSEPOWER	

FUEL DATA

DADAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	FIXINIAKTIOLL	311113	0200///// 020	
FUEL CODE (SEE NOTE)	1	na*	None	
1022 0002 (0221111)				
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
		%		1
PERCENT CARBON	72.5	76	<u> </u>	
PERCENT HYDROGEN	23.8	%		
PERCENT ATDROGEN	20.0	,,,		
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	6274.51			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
				Τ
NORMAL ANNUAL	54.96	MMSCF/YR		
COMBUSTION RATE (UNITS/YR)	1 34.30	MINOCITIE		<u> </u>

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #1 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)			 	

VENTILATION AND BUILDING/AREA DATA

STACK DATA

ENCLOSED (Y/N)?	N	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B)	NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM)	INA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIEN		STACK TYPE (SEE NOTE BELOW)	2
		STACK EXIT HEIGHT FROM GROUND LEVEL (F	41
BUILDING HEIGHT (FT)	16.5		
BUILDING/AREA LENGTH (FT)	90	STACK EXIT DIAMETER (FT)	2.6
BUILDING/AREA WIDTH (FT)	80	STACK EXIT GAS FLOWRATE (ACFM)	13,000
		STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLEG IVAL		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
				T	1 775 00	T		
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	6.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.76E-03	na	na	na
002								
CO		8.40E-05	lb/scf	0	5.27E-01	na	na	na
NOX		1.00E-04	lb/scf	0	6.27E-01	na	na	na
					T - 155.00	T .	I	
voc		5.50E-06	lb/scf	0	3.45E-02	na	na	j na
LEAD		5.00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 1 B&C STAGE

DEO	1	ISE	0	NII	٧

DEQ PLANT ID CODE	DEQ PRO	CESS CODE		DEQ STACK ID CODE	
DEG LEGITE GOLD			<u></u>		
DEQ BUILDING CODE	PRIMARY	scc		SECONDARY SCC	
DEG BOILDING GODE	_				
DEQ SEGMENT CODE	٦				
DEG CECIMENT CODE					
PART A: GENERAL INFORMAT	NON				
174677					
PROCESS CODE OR DESCRIPT	DEHYDRATION AIR I	ORYER # 1 B&C ST	AGE		
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRY	ER ROOM 1,2,3			
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
					4070
				DATE LAST MODIFIED	1973
RATED CAPACITY (CHOOSE AP	PROPRIATE UNITS)				
	_			ন	
MILLION BTU/HR 2.	<u>8</u>]	BURNER TYPE	1	0	
		[a. 116	SED FOR BDOO	ESS 100	
1000 LBS STEAM/HR		% US	SED FOR PROC	100	

% USED FOR SPACE HEAT

FUEL DATA

KILOWATTS HORSEPOWER

			1	
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
			N	T
FUEL CODE (SEE NOTE)	11	na*	None	<u> </u>
		%		
PERCENT SULFUR	<0.001	70		
DECORNIT ACIL	0	%		
PERCENT ASH				
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
				T
PERCENT HYDROGEN	23.8	%	<u> </u>	<u> </u>
		%		
PERCENT MOISTURE	0	70		<u> </u>
LIEAT CONTENT				,
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
(BTO/ONIT)	1,020			
MAXIMUM HOURLY	2745.10			
COMBUSTION RATE (UNITS/HR)		SCF/HR		<u> </u>
				1
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		L

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BÌTUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #1 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA	- 1 	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT) 90	STACK EXIT DIAMETER (FT)	2.95
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	8,000
	STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

OLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLOTANT		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
					2.09E-02	na	na	na
PM		7.60E-06	lb/scf	0	2.09E-02	ia	i ia	1114
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.8	Tier II OP, No. 011-00027
					1	T	l	
SO2		6.00E-07	lb/scf	0	1.65E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.31E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
NOX								
VOC		5.50E-06	lb/scf	0	1.51E-02	na	na	na
		5.00E-10	lb/scf	0	1.37E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQU	IPMENT DEHYDR	ATION AIR DRYER # 2 A	STAGE		
DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ PRO	OCESS CODE]	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY	SCC		SECONDARY SCC	
DEQ SEGMENT CODE]				
PART A: GENERAL INFORMAT	ION				
PROCESS CODE OR DESCRIPTION	DEHYDRATION AIR I	DRYER # 2 A STAGE			
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRY	ER ROOM 1,2,3			
MANUFACTURER	PROCTOR	MODEL 43	2	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973
RATED CAPACITY (CHOOSE APP	ROPRIATE UNITS)				
MILLION BTU/HR 6.4]	BURNER TYPE	10]	

% USED FOR PROCESS

% USED FOR SPACE HEAT

100

FUEL DATA

KILOWATTS
HORSEPOWER

1000 LBS STEAM/HR

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
The second supposed	3.4	%		
PERCENT NITROGEN	3.4	70		1
PERCENT CARBON	72.5	%		
		1 0/		Т
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT	T			
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	6274.51			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL	T			1
COMBUSTION RATE (UNITS/YR)	54.96	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);

07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZÓNTALLY FIRED; 10) AXIALLY FIRED;

11).OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL

06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;

10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL

14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #2 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAY/WEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

017,611271171	
GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	13,000
STACK EXIT TEMPERATURE (DEG. F)	187
	GROUND ELEVATION (FT) UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

OLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLO IVILLI		FACTOR (SEE BELOW)*		CONTROL	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	na
					1 775 00	4.47	6.4	Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	0.4	TIEL II OF, NO. 011-00027
		T 225 27 T	B- t t	0	3,76E-03	na	na	na
SO2		6.00E-07	lb/scf		3.70E-03	πα	l III	
co		8.40E-05	lb/scf	0	5.27E-01	na	na ·	na
NOX		1.00E-04	lb/scf	. 0	6.27E-01	na	na	na
VOC		5.50E-06	lb/scf	0	3.45E-02	na	na	na
LEAD		5,00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 2 B&C STAGE

DFO	HOL	ONII	v

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

STACK DESCRIPTION	POINT					
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3					
MANUFACTURER	PROCTOR	MODEL 432	DATE INSTALLED	1973		

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR 2.8	BURNER TYPE 10
1000 LBS STEAM/HR	% USED FOR PROCESS
KILOWATTS	% USED FOR SPACE HEAT
HORSEPOWER	

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
		A		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
				,
MAXIMUM HOURLY	2745.10			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		
	L			

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #2 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDA	RY	
TYPE CODE (FROM APP. A)					
MANUFACTURER					
MODEL NUMBER					
PRESSURE DROP (IN. OF WATER)					
WET SCRUBBER FLOW (GPM)					
BAGHOUSE AIR/CLOTH RATIO (FPM)			 		

VENTILATION AND BUILDING/AREA DATA

STACK	DATA

VENTILATION AND BUILDING AREA D	010		
ENCLOSED (Y/N)? N		GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA		UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA		UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA		STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT)	16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT)	90	STACK EXIT DIAMETER (FT)	2.95
BUILDING/AREA WIDTH (FT)	80	STACK EXIT GAS FLOWRATE (ACFM)	8,000
		STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	SSIONS
POLLOTANT		FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
	i				(LBS/HR)			
					·			
PM		7.60E-06	lb/scf	0	2.09E-02	na	na ·	na
					1 2005.00	0.65	2.8	Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.0	TIEL II OP, NO. 011-00021
		6.00E-07	lb/scf	0	1.65E-03	na	na	na
SO2		6.00E-07	ID/SCI		1.832 00		,,,,	
СО		8.40E-05	lb/scf	0	2.31E-01	na	na	na
-								
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
						,		
VOC		5.50E-06	lb/scf	0	1.51E-02	na	na	na
					1 4077.00			
LEAD	1D 40 7-11-4 4 4 2 4000	5.00E-10	lb/scf	d particulate emissions	1.37E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 3 A STAGE

DEO	1100	ON	v

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	DEHYDRATION	DRYER ROOM 1,2,3		
MANUFACTURER	PROCTOR	MODEL 432	DATE INSTALLED	197

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR 6.4	BURNER TYPE 10
1000 LBS STEAM/HR	% USED FOR PROCESS
KILOWATTS	% USED FOR SPACE HEAT
HORSEPOWER	

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
I DIVINICE LEIV	T TAIN STATE	1 2	1222	1
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
				·
PERCENT ASH	0	%		
				I
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT CARBON	72.0	,,		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
			<u></u>	T
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	6274.51			
COMBUSTION RATE (UNITS/HR)	l	SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	54.96	MMSCF/YR		

^{*}Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #3 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYMEEK
JUN-AUG 25	WEEKS/YEAR 36
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FP	M)	

VENTILATION AND BUILDING/AREA DATA

STACK DATA

GROUND ELEVATION (FT)	4,498
LITM X COORDINATE (KM)	388
OTHER COURT DIVERTE (INIT)	
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	13,000
STACK EXIT TEMPERATURE (DEG. F)	187
	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
0205,7411		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
					4.775.00	T	na	na
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	110
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	6.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	5.27E-01	na	na	na
NOX		1.00E-04	lb/scf	0	6.27E-01	na	na	na
		F 505 00	lle to ef	0	3.45E-02	na	na	na
VOC		5.50E-06	lb/scf	<u> </u>	3.40E-02	I IIG	I III	1104
LEAD		5.00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FLIFE	BURNING FOURMENT

DEHYDRATION AIR DRYER #3 B&C STAGE

DEO	ı	ISE	- 0	M	l Y

DEQ PLANT ID CODE	DEQ PRO	CESS COD	E	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY	scc		SECONDARY SCC	
DEQ SEGMENT CODE]				
PART A: GENERAL INFORMAT	ION				
PROCESS CODE OR DESCRIPTION	DEHYDRATION AIR D	ORYER#3E	&C STAGE		
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRY	ER ROOM 4	&5		
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989
RATED CAPACITY (CHOOSE APP	ROPRIATE UNITS)				
MILLION BTU/HR 2.8		BURNER	TYPE	10	
1000 LBS STEAM/HR]		% USED FOR PRO	DCESS 100	
KILOWATTS]		% USED FOR SPA	ACE HEAT	

FUEL DATA

HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
				1
PERCENT SULFUR	<0.001	%		l J
		T		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT NITROGEN	0.4	70		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
	0	%		
PERCENT MOISTURE	U	70		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	2745.10			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #3 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYNVEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA	OTACKDATA	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT) 90	STACK EXIT DIAMETER (FT)	2.6
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	8,670
	STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLO IAIVI		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.09E-02	na	na	na
							1	T
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.8	Tier II OP, No. 011-00027
					1.055.00		na	na
SO2		6.00E-07	lb/scf	0	1.65E-03	na	na	i ia
co		8.40E-05	lb/scf	0	2.31E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
				·	1 1 1 1 2 2 2 2 2	т	r	T
VOC	•	5,50E-06	lb/scf	0	1.51E-02	na	na	na
[5.00E-10	lb/scf		1.37E-06	na	na	na
LEAD	AD 40 Telle 1 4 1 2 1000			ng and particulate emis				1

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL	RURNING	FOUIPMENT

DEHYDRATION AIR DRYER # 4 A STAGE

	ONLY

DEQ PLANT ID CODE	DEQ PRO	OCESS CODE	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMARY	scc	SECONDARY SCC	
DEQ SEGMENT CODE]			
PART A: GENERAL INFORMAT				
PROCESS CODE OR DESCRIPTION	DEHYDRATION AIR [DRYER # 4 A STAGE		
STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	DEHYDRATION DRY	ER ROOM 4&5		
MANUFACTURER	PROCTOR	MODEL NONE	DATE INSTALLED	1989
			DATE LAST MODIFIED	1989
RATED CAPACITY (CHOOSE APP	PROPRIATE UNITS)			
MILLION BTU/HR 4.77		BURNER TYPE	10	
1000 LBS STEAM/HR		% USED FOR	PROCESS 100	
KILOWATTS]	% USED FOR	SPACE HEAT	

FUEL DATA

HORSEPOWER

DADAMETED	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	FIXINIAIX FUEL	UNITO	OLGGINDAITTIGLE	
FUEL CODE (SEE NOTE)	1	na*	None	
FUEL CODE (SEE NOTE)		110	11010	
PERCENT SULFUR	<0.001	%		
I ENGLINI GOLI GIL				
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
				
HEAT CONTENT	4 000	BTU/scf		
(BTU/UNIT)	1,020	BTU/SCI		
MAXIMUM HOURLY	4676.47	1		
COMBUSTION RATE (UNITS/HR)	4070.47	SCF/HR		
COMBUSTION RATE (CINITONIN)		00171111		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	40.97	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #4 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA DATA	o more of the control	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT) 130	STACK EXIT DIAMETER (FT)	2.6
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	10,800
	STACK EXIT TEMPERATURE (DEG. F)	160

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
0220 17411		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
		7 605 06	lb/scf		3,55E-02	na	na	na
PM		7.60E-06	ID/SCI	U	3,33L-02	ΠQ	Πü	The state of the s
PM-10		7.60E-06	lb/scf	0	3.55E-02	1.1	4.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.81E-03	na	na	na
СО		8.40E-05	lb/scf	0	3.93E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.68E-01	na	na	na
1/00		5.50E-06	lb/scf	0	2.57E-02	na	na	na
voc		0.50L-00	10/301	<u> </u>		<u> </u>	<u> </u>	
LEAD	- T	5.00E-10	lb/scf	0	2.34E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FL	IFI BUR	NING FO	NUIPMENT

DEHYDRATION AIR DRYER # 4 B STAGE

DEQ USE ONLY				
DEQ PLANT ID CODE	DEQ F	PROCESS CODE	DEQ STACK ID CODE	
DEQ BUILDING CODE	PRIMA	ARY SCC	SECONDARY SCC	
DEQ SEGMENT CODE				
PART A: GENERAL INFORM	1ATION			
PROCESS CODE OR DESCRI	TIC DEHYDRATION A	IR DRYER # 4 B STAGE		
STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	DEHYDRATION D	RYER ROOM 4&5		
MANUFACTURER	PROCTOR	MODEL NONE	DATE INSTALLED	1989
			DATE LAST MODIFIED	1989
RATED CAPACITY (CHOOSE A	APPROPRIATE UNITS)		

BURNER TYPE

10

% USED FOR PROCESS

% USED FOR SPACE HEAT

FUEL DATA

KILOWATTS
HORSEPOWER

MILLION BTU/HR

1000 LBS STEAM/HR

		LINUTO	SECONDARY FUEL	UNITS
PARAMETER	PRIMARY FUEL	UNITS	SECONDART FUEL	UNITO
			Name	
FUEL CODE (SEE NOTE)	11	na*	None	
		T - 2/		
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%%		<u> </u>
				T
PERCENT NITROGEN	3.4	%		L
		T		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		J
				T
PERCENT MOISTURE	0	%	J	
HEAT CONTENT		DTIV 4		
(BTU/UNIT)	1,020	BTU/scf		
			1	T
MAXIMUM HOURLY	323.53	205110		
COMBUSTION RATE (UNITS/HR)		SCF/HR		
			1	
NORMAL ANNUAL		MMCCENE		
COMBUSTION RATE (UNITS/YR)	2.83	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #4 STAGE B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

	· ·	
ENCLOSED (Y/N)?	N	
HOOD TYPE (FROM APP. B)	NA	
MINIMUM FLOW (ACFM)	NA	
PERCENT CAPTURE EFFICIENCY	NA	
BUILDING HEIGHT (FT)		16.5
DOILDING TIESCHI (1.1)		
BUILDING/AREA LENGTH (FT)	Τ -	130
BUILDING/AREA LENGTH (1-1)		
THE PROPERTY OF THE CETY		80
BUILDING/AREA WIDTH (FT)	Ь_	٥٥

STACK DATA

STACK DATA	
GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
OTACK TYPE (CEE NOTE BELOW)	2
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	4,000
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
OLLUTANI	Nomber	FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.46E-03	na	na	na
1 (4)								
PM-10		7.60E-06	lb/scf	0	2.46E-03	0.47	2.1	Tier II OP, No. 011-00027
1 141-10								
SO2		6.00E-07	lb/scf	0	1.94E-04	na	na	na na
002								
co		8.40E-05	lb/scf	0	2.72E-02	na	na	na
00								
NOX		1.00E-04	lb/scf	0	3.24E-02	na	na	na
NOX				<u> </u>				
VOC		5.50E-06	lb/scf	0	1.78E-03	na	na	na
¥00	_							
LEAD		5.00E-10	lb/scf	0	1.62E-07	na	na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 4 C STAGE

DEO	115	FC	IIA	v

DEQ PLANT ID CODE	DEQ	PROCESS CODE	DEG STACK ID CODE	
DEQ BUILDING CODE	PRIM	MARY SCC	SECONDARY SCC	
DEQ SEGMENT CODE				
PART A: GENERAL INFORM	MATION			
PROCESS CODE OR DESCRI	PTIC DEHYDRATION.	AIR DRYER # 4 B STAGE		
STACK DESCRIPTION	POINT			
BUILDING DESCRIPTION	DEHYDRATION	DRYER ROOM 4&5		
MANUFACTURER	PROCTOR	MODEL NONE	DATE INSTALLED .	1989
L				

DATE LAST MODIFIED

RATED CAPACITY (CHOOSE APPROPRIATE ONTS))	
MILLION BTU/HR 0.3	BURNER TYPE 10	
1000 LBS STEAM/HR	% USED FOR PROCESS	100
KILOWATTS	% USED FOR SPACE HEAT	
HORSEPOWER		

FUEL DATA

				1
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	11	na*	None	
				· · · · · · · · · · · · · · · · · · ·
PERCENT SULFUR	<0.001	%		
				····
PERCENT ASH	0	%		L
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		l
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	294.12			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	2.58	MMSCF/YR		

^{*}Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #4 STAGE C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAY/WEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY
TYPE CODE (FROM APP. A)			
MANUFACTURER	<u> </u>		
MODEL NUMBER			
PRESSURE DROP (IN. OF WATER)			
WET SCRUBBER FLOW (GPM)			
BAGHOUSE AIR/CLOTH RATIO (FPM)			

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING/AREA	DATA	GIACKBATA	
ENCLOSED (Y/N)?		GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B)	A	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM)	IA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY N	IA .	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT)	16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
BUILDING/AREA LENGTH (FT)	130	STACK EXIT DIAMETER (FT)	1.6
BUILDING/AREA WIDTH (FT)	80	STACK EXIT GAS FLOWRATE (ACFM)	1,600
		STACK EXIT TEMPERATURE (DEG. F)	130

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
FACTOR (SEE BELOW)*		EFFICIENCY EMISSIO	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE		
PM		7.60E-06	lb/scf	0	2.24E-03	na	na na	na
								T 11 0D 11 044 00007
PM-10		7.60E-06	lb/scf	0	2.24E-03	0.47	2.1	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.76E-04	na	na	na
CO		8.40E-05	lb/scf	0	2.47E-02	na	na	na
NOX		1.00E-04	lb/scf	0	2.94E-02	na	na	na
			•					
voc		5.50E-06	lb/scf	0	1.62E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	1.47E-07	na	na	na
		** ************	fuel burning	and particulate emics	ione			

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL	BURNING	FOUIPMENT

DEHYDRATION AIR DRYER # 5 A STAGE

DEO.	LISE	DMI	٧

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEO SEGMENT CODE		

PART A: GENERAL INFORMATION

STACK DESCRIPTION	POINT		
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5		
MANUFACTURER	IPROCTOR	MODEL NONE	DATE INSTALLED 1

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR 10.4	BURNER TYPE 10
1000 LBS STEAM/HR	% USED FOR PROCESS 10
KILOWATTS	% USED FOR SPACE HEAT
HORSEPOWER	

FUEL DATA

	•			
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
				,
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		<u> </u>
				γ
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
	T			I
MAXIMUM HOURLY	10196.08		İ	
COMBUSTION RATE (UNITS/HR)		SCF/HR		
				T
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	89.32	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #5 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY 2	24
MAR-MAY 25	DAY/WEEK	7
JUN-AUG 25	WEEKS/YEAR 36	65
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		·
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM))	,

VENTILATION AND BUILDING/AREA DATA

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	3.3
STACK EXIT GAS FLOWRATE (ACFM)	24,600
STACK EXIT TEMPERATURE (DEG. F)	160
	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EN	IISSIONS
		FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
					(LBS/HR)			
						r		
PM		7.60E-06	lb/scf	0	7.75E-02	na	na ·	na
								17 U.O. N 044 .0007
PM-10		7.60E-06	lb/scf	0	7.75E-02	1.78	7.8	Tier II OP, No. 011-00027
					0.405.00		T	1
SO2		6.00E-07	lb/scf	0	6.12E-03	na	na	na
		8.40E-05	lb/scf	0	8.56E-01	na	na	na
co		6.40L-03	10/301		0.002-01	, na		1.00
NOX		1.00E-04	lb/scf	0	1.02E+00	na	na	na
VOC		5.50E-06	lb/scf	0	5.61E-02	na	na	na
						,		
LEAD		5.00E-10	lb/scf	0	5.10E-06	na	i na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIP	PMENT DEHYDRATI	ON AIR DRYER #5 B STAGE	
DEQ USE ONLY			
DEQ PLANT ID CODE	DEQ PROCE	SS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SO	cc	SECONDARY SCC
DEQ SEGMENT CODE			
PART A: GENERAL INFORMATION	ON		
PROCESS CODE OR DESCRIPTION	DEHYDRATION AIR DR	/ER # 5 B STAGE	
STACK DESCRIPTION	POINT		
BUILDING DESCRIPTION	DEHYDRATION DRYER	ROOM 4&5	
MANUFACTURER	PROCTOR	MODEL NONE	DATE INSTALLED 1992
			DATE LAST MODIFIED 1992
RATED CAPACITY (CHOOSE APPR	ROPRIATE UNITS)		
MILLION BTU/HR 3.2		BURNER TYPE	10

% USED FOR PROCESS

% USED FOR SPACE HEAT

FUEL DATA

KILOWATTS

HORSEPOWER

1000 LBS STEAM/HR

		LINITO	SECONDARY FUEL	UNITS
PARAMETER	PRIMARY FUEL	UNITS	SECONDART FUEL	, ONITS
ELECTION (SEE NOTE)	1	na*	None	
FUEL CODE (SEE NOTE)	<u> </u>	i iiu		
PERCENT SULFUR	<0.001	%		
T LINE LINE STATE OF THE STATE				
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
		%		
PERCENT CARBON	72,5	76		
PERCENT HYDROGEN	23.8	%		
PERCENTITION				
PERCENT MOISTURE	0	%		
				-r
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
	0407.05			Τ
MAXIMUM HOURLY	3137.25	SCF/HR		
COMBUSTION RATE (UNITS/HR)			1	I
NORMAL ANNUAL	Τ΄			
COMBUSTION RATE (UNITS/YR)	27.48	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)
- FUEL CODES 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
 - 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
 - 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
 - 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #5 STAGE B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	1

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA	STACK DATA	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT) 130	STACK EXIT DIAMETER (FT)	2.6
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	11,000
	STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EN	MISSIONS
022377	Ī	FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
					(LBS/HR)			
PM		7.60E-06	lb/scf	0	2.38E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.38E-02	0.77	3.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.88E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.64E-01	na	na	na
							T	
NOX		1.00E-04	lb/scf	0	3.14E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.73E-02	na	na	na
						1		
LEAD		5.00E-10	lb/scf	0	1.57E-06	na na	na	na

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE NOTE:

SECTION 2: FUEL BURNING EC	QUIPMENT DEHYD	DRATION AIR DRYER # 5 C	STAGE		
DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ P	ROCESS CODE	DE	EQ STACK ID CODE	
DEQ BUILDING CODE	PRIMA	RY SCC	SE	CONDARY SCC	
DEQ SEGMENT CODE					
PART A: GENERAL INFORM	4	R DRYER#5 C STAGE			
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DE	RYER ROOM 4&5			
MANUFACTURER	PROCTOR	MODEL NONE		ATE INSTALLED	1992
			D	ATE LAST MODIFIED	1992
RATED CAPACITY (CHOOSE A	PPROPRIATE UNITS)				
MILLION BTU/HR	3.3	BURNER TYPE	10		

% USED FOR PROCESS

% USED FOR SPACE HEAT

100

FUEL DATA

KILOWATTS

1000 LBS STEAM/HR

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
Truvinia				
FUEL CODE (SEE NOTE)	1	na*	None	L
				1
PERCENT SULFUR	<0.001	%		
		%		
PERCENT ASH	0	76		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
Feet William College V	3235,29			
MAXIMUM HOURLY	3230.29	SCF/HR		
COMBUSTION RATE (UNITS/HR)		SOFFICE		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	28.34	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION DRYER #5 STAGE C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAY/WEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

87	TAC:	ĸг	۱Δ.	ГΔ

VENTILATION AND BUILDING/AREA DATA	O TABLE ATTA	
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
BUILDING/AREA LENGTH (FT) 130	STACK EXIT DIAMETER (FT)	2
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	7,000
	STACK EXIT TEMPERATURE (DEG. F)	130

AIR POLLUTANT EMISSIONS

POLLUTANT	EMISSION	EMISSION Units		ESTIMATED OR	ALLOWABLE EMISSIONS			
		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
L								
PM		7.60E-06	lb/scf	0	2.46E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.46E-02	0.77	3.4	Tier II OP, No. 011-00027
							1	
SO2		6.00E-07	lb/scf	0	1.94E-03	na	na	na
							Ţ	
CO		8.40E-05	lb/scf	0	2.72E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.24E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.78E-02	na	na	na
		100						
LEAD		5.00E-10	lb/scf	0	1.62E-06	na	na	na

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE NOTE:

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

WET AREA AIR MAKEUP SECTION 2: FUEL BURNING EQUIPMENT DEQ USE ONLY DEQ STACK ID CODE DEQ PLANT ID CODE DEQ PROCESS CODE SECONDARY SCC DEQ BUILDING CODE PRIMARY SCC DEQ SEGMENT CODE PART A: GENERAL INFORMATION PROCESS CODE OR DESCRIPTION WET AREA AIR MAKEUP STACK DESCRIPTION VOLUME BUILDING DESCRIPTION DEHYDRATION WET AREA DATE INSTALLED 1975 HARTZELL MODEL IGMP35 MANUFACTURER DATE LAST MODIFIED 1975 RATED CAPACITY (CHOOSE APPROPRIATE UNITS) BURNER TYPE MILLION BTU/HR 3.5 % USED FOR PROCESS 1000 LBS STEAM/HR

FUEL DATA

KILOWATTS

	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	PRIMARY FUEL	UNITS	OLOONDAKI I OLL	Olaro
FUEL CODE (SEE NOTE)	11	na*	None	
				1
PERCENT SULFUR	<0.001	%		
DEBOENT AND	0	%		1
PERCENT ASH	<u> </u>			<u> </u>
PERCENT NITROGEN	3.4	%		
				1
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
	T	%		
PERCENT MOISTURE	0	70		
HEAT CONTENT	Γ			
(BTU/UNIT)	1,020	BTU/scf		
The state of the s	3431.37	.		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	1	SCF/HR		
COMBOOTICH TO TE (ON TO THE)				
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	30.06	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

% USED FOR SPACE HEAT

11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

WET AREA AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAYWEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

VERTICAL TRANSPORT		
ENCLOSED (Y/N)?	N	
LIGHT TOTAL (EDOMADD B)	NA	
HOOD TYPE (FROM APP. B)	INA	
MINIMUM FLOW (ACFM)	NA	
PERCENT CAPTURE EFFICIENCY	NA	
BUILDING HEIGHT (FT)		16.5
BUILDING/AREA LENGTH (FT)		80
BUILDING/AREA WIDTH (FT)		80

STACK DATA

4,498
388
4,784
2
SOURCE HEIGHT = 10 FT
GOORGE TIEIGHT - 1011
NA
NA
NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EMIS	SIONS
OLLOTAIN		FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
					(LBS/HR)			
PM		7.60E-06	lb/scf	0	2.61E-02	na	na .	na
								Tier II OP, No. 011-00027
PM-10		7.60E-06	lb/scf	00	2.61E-02	0.03	0.11	Her II OP, No. 011-00027
			0.7	0	2.06E-03	na	na	na
SO2		6.00E-07	lb/scf	U	Z.00E-03	Πα	i iiu	774
СО		8.40E-05	lb/scf	0	2.88E-01	na	na	na
CO		0.102.00			1			
NOX		1.00E-04	lb/scf	0	3.43E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.89E-02	na	na	na
							1	
LEAD		5.00E-10	lb/scf	0	1.72E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FLIFE	BURNING FOURME	TM=

SOUTH DRYER ROOM 4&5 AIR MAKEUP

DEQ	USE	ONLY
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DEQ PLANT ID CODE	DEQ PRO	CESS COD	E		DEQ STAC	KID CODE	
DEQ BUILDING CODE	PRIMARY	SCC]	SECONDA	RYSCC	
				_			
DEQ SEGMENT CODE]						
	•						
PART A: GENERAL INFORMAT	ION						
PROCESS CODE OR DESCRIPTION	SOUTH DRYER ROO	M 4&5 AIR I	MAKEUP				
STACK DESCRIPTION	VOLUME						
BUILDING DESCRIPTION	DEHYDRATION DRYS	ER ROOM 4	. & 5				
			1	7	DATE INOT	ALLED	1989
MANUFACTURER	HARTZELL	MODEL	IGMP50	J	DATE INST	ALLED	1909
					DATELACT	MODIFIED	1989
					DATELASI	MODIFIED	1303
TATES CARACITY (OLICOSE ADD	DODDIATE LIMITO						
RATED CAPACITY (CHOOSE APP	ROPRIATE UNITS)						
MILLION BTU/HR 5	7	BURNER	TVDE	9	1		
MILLION BTU/HR 5	J	DOMEN	11111		1		
1000 LBS STEAM/HR	7		% USED F	OR PROCE	SS	100	
1000 LBS STEAM/FIX	J						
KILOWATTS	1		% USED F	OR SPACE	HEAT		
MLOWATTO	j						

FUEL DATA

HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
		1		
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
DEPOSIT NUTBOOKN	3.4	%		
PERCENT NITROGEN	3.4	70		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23,8	%		
PERCENT MOISTURE	0	%		
T CITY OF THE STATE OF THE STAT				
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
				1
MAXIMUM HOURLY	4901.96	205415		
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

SOUTH DRYER ROOM 4&5 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE
DEC-FEB 25	HOURS/DAY 24
MAR-MAY 25	DAY/WEEK 7
JUN-AUG 25	WEEKS/YEAR 365
SEP-NOV 25	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA	STACK DATA	
ENCLOSED (Y/N)? N	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	NA
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
BUILDING/AREA LENGTH (FT) 130	STACK EXIT DIAMETER (FT)	NA
BUILDING/AREA WIDTH (FT) 80	STACK EXIT GAS FLOWRATE (ACFM)	NA
	STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	IISSIONS
OLLO MILL		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
					1			
PM		7.60E-06	lb/scf	0	3.73E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na na
								•
co		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na	na
voc		5.50E-06	lb/scf	0	2.70E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE NOTE:

SECTION 2: FUEL BURNING EQUIPMENT SOUTH DRYER ROOM 4&5 ROOF AIR MAKEUP

DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PRO	OCESS CODE		DEQ STAC	K ID CODE	
DEQ BUILDING CODE	PRIMARY	/ SCC		SECONDA	RY SCC	
DEQ SEGMENT CODE	·]					
PART A: GENERAL INFORMAT						
PROCESS CODE OR DESCRIPTI	SOUTH DRYER ROO	M 4&5 ROOF	AIR MAKEUP			
STACK DESCRIPTION	VOLUME					
BUILDING DESCRIPTION	DEHYDRATION DRY	ER ROOM 4	3 5			
MANUFACTURER	HARTZELL	MODEL	IGMP50	DATE INST	TALLED	1991
				DATE LAS	T MODIFIED	1991
RATED CAPACITY (CHOOSE APP	PROPRIATE UNITS)					
MILLION BTU/HR		BURNER	YPE	9		
1000 LBS STEAM/HR]		% USED FOR PRO	CESS	100	
KILOWATTS			% USED FOR SPA	CE HEAT		

FUEL DATA

HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FARAMETER	I TAMAKI I OLL		1	1 12.7
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
		%		
PERCENT NITROGEN	3.4	76		
PERCENT CARBON	72.5	7 %		
I ERGENT GARBOR				
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
				1
HEAT CONTENT	1,020	BTU/scf		
(BTU/UNIT)	1,020	DTO/SCI		
MAXIMUM HOURLY	4901.96			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		
*Not applicable				•

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

SOUTH DRYER ROOM 4&5 ROOF AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR 3	65
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

POLLO HON CONTROL EQUIPMENT		
PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)	

VENTILATION AND BUILDING/AREA DATA

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	368
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA
	UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
022017111		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
					0.705.00	T ==	l ==	Inc
PM		7.60E-06	lb/scf	0	3.73E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
					2045.00	1		
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na
со		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na	na
						Т		
VOC		5.50E-06	lb/scf	0	2.70E-02	na	na na	na
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

^{*}EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2:	FLIFI	RURNING	FOL	JIPMENT

INSPECTION ROOM ROOF AIR MAKEUP

DEO	USE	ONI	v

524 002 07121							
DEQ PLANT ID CODE	DEQ PRO	CESS COD	E		DEQ STAC	KID CODE	-
DEQ BUILDING CODE	PRIMARY	'scc			SECONDA	RY SCC	
DEQ SEGMENT CODE							
PART A: GENERAL INFORMA	TION						
PROCESS CODE OR DESCRIPT	IC INSPECTION ROOM	ROOF AIR I	MAKEUP				
STACK DESCRIPTION	VOLUME						
BUILDING DESCRIPTION	DEHYDRATION INSP	ECTION RO	ООМ				
MANUFACTURER	HARTZELL	MODEL	IGMP35		DATE INST	ALLED	1985
					DATE LAST	MODIFIED	1985
RATED CAPACITY (CHOOSE API	PROPRIATE UNITS)			•			
MILLION BTU/HR 3.5	5	BURNER	TYPE	9			
1000 LBS STEAM/HR]		% USED FO	OR PROCE	SS	100	
KILOWATTS]		% USED FO	OR SPACE	HEAT		

FUEL DATA

HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
PARAMETER	TRIMARTICE	1 011110	0200110711111000	
FUEL CODE (SEE NOTE)	1	na*	None	
			·	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3,4	%		
PERCENT NITROGEN	3,4	79		
PERCENT CARBON	72.5	%		
				1
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
T LINGS OF THE STATE OF THE STA	L			
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY	3431.37			
COMBUSTION RATE (UNITS/HR)		SCF/HR		
NORMAL ANNUAL				
COMBUSTION RATE (UNITS/YR)	30.06	MMSCF/YR		
*Not applicable				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

INSPECTION ROOM ROOF AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

REA DATA	STACKDATA	
N	GROUND ELEVATION (FT)	4,498
NA	UTM X COORDINATE (KM)	388
NA	UTM Y COORDINATE (KM)	4,784
CYNA	STACK TYPE (SEE NOTE BELOW)	NA
16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
80	STACK EXIT DIAMETER (FT)	NA
130	STACK EXIT GAS FLOWRATE (ACFM)	NA
	STACK EXIT TEMPERATURE (DEG. F)	NA
	NA	N GROUND ELEVATION (FT) NA UTM X COORDINATE (KM) NA UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) 16.5 STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 80 STACK EXIT DIAMETER (FT) 130 STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT CAS NUMBER		R EMISSION		PERCENT	ESTIMATED OR	ALLOWABLE EMISSIONS		
		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
		7.005.00	lb/scf	0	2.61E-02	l na	na	na
PM		7.60E-06	ID/SCI		2.01E-02	ria	IIa	IIa
PM-10		7.60E-06	lb/scf	0	2.61E-02	0.03	0.11	Tier II OP, No. 011-00027
					1 0005 00			
SO2		6.00E-07	lb/scf	0	2.06E-03	na	na	na
СО		8.40E-05	lb/scf	0	2.88E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.43E-01	na	na	na
voc		5.50E-06	lb/scf	0	1.89E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.72E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

SECTION 2: FUEL BURNING EQUIPME	N

DEHYDRATION RESEARCH DRYER

000	HOE	ONII	v
1)H(J	USE	ONI	_ Y

DEG OOL ONE!						
DEQ PLANT ID CODE	DEQ PRO	DCESS CODE		DEQ STACK	(ID CODE	
DEQ BUILDING CODE	PRIMARY	SCC		SECONDAR	RY SCC	
DEQ SEGMENT CODE						
PART A: GENERAL INFORMAT	TION					
PROCESS CODE OR DESCRIPT	DEHYDRATION RES	EARCH DRYE	ER			
STACK DESCRIPTION	POINT					
BUILDING DESCRIPTION	DEHYDRATION R & I	D ROOM				
MANUFACTURER	CARRIER	MODEL	NONE	DATE INSTA	ALLED	1992
				DATE LAST	MODIFIED	1992
RATED CAPACITY (CHOOSE AP	PROPRIATE UNITS)					
MILLION BTU/HR 0.8	В	BURNER T	YPE	9		
1000 LBS STEAM/HR]		% USED FOR PRO	OCESS	100	
KILOWATTS	٦		% USED FOR SPA	ACE HEAT		

FUEL DATA

HORSEPOWER

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
		1		
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
				1
PERCENT ASH	0	%		
DEDOCAL AUTOCOEN	3.4	%		
PERCENT NITROGEN	3.4			
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%	<u> </u>	
		1 0/		
PERCENT MOISTURE	0	%		
HEAT CONTENT				
(BTU/UNIT)	1,020	BTU/scf		
(5:5:5:1)				
MAXIMUM HOURLY	862.75			
COMBUSTION RATE (UNITS/HR)		SCF/HR		l
		1		1
NORMAL ANNUAL	7.56	MMSCF/YR		
COMBUSTION RATE (UNITS/YR) *Not Available	7.56	WW/OCI /TIX		

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

- 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
- 07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
- 11) OTHER (SPECIFY)

- 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
- 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
- 14) PROPANE; 15) OTHER (SPECIFY)

DEHYDRATION RESEARCH DRYER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE		
DEC-FEB 25	HOURS/DAY	24	
MAR-MAY 25	DAY/WEEK	7	
JUN-AUG 25	WEEKS/YEAR	365	
SEP-NOV 25			

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None		SECONDARY	
TYPE CODE (FROM APP. A)					
MANUFACTURER					
MODEL NUMBER			 		
PRESSURE DROP (IN. OF WATER)			 		
WET SCRUBBER FLOW (GPM)					
BAGHOUSE AIR/CLOTH RATIO (FPM)			 		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BOILDINGSANDARD SANT		
ENCLOSED (Y/N)?	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	3
BUILDING HEIGHT (FT) 16.6	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	24
BUILDING/AREA LENGTH (FT) 80	STACK EXIT DIAMETER (FT)	0.5
BUILDING/AREA WIDTH (FT) 50	STACK EXIT GAS FLOWRATE (ACFM)	70
	STACK EXIT TEMPERATURE (DEG. F)	95

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
		FACTOR (SEE BELOW)*		CONTROL EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	6.56E-03	na	na	na
					2.50= 00	0.40		Transition No. 044 00007
PM-10		7.60E-06	lb/scf	0	6.56E-03	0.18	0.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	5.18E-04	na	na	na .
со		8.40E-05	lb/scf	0	7.25E-02	na	na	na
NOX		1.00E-04	lb/scf	0	8.63E-02	na	na	na
					4.755.00			
VOC		5.50E-06	lb/scf	0	4.75E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	4.31E-07	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CO	DE	DEQ STACK ID COI	DE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL	INFORMATION					
PROCESS CODE OR	DESCRIPTIC STARCH DR	YER				
STACK DESCRIPTION	POINT					-
BUILDING DESCRIPTI	ON STARCH PL	ANT				
MANUFACTURER	MAXON		MODEL	445	DATE INSTALLED	1961
					DATE LAST MODIFIED	1961
PROCESSING DATA						
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
	IDOTATOES I	1,135.00	1,135.00	LB/HR		
INPUT	POTATOES	1,133.00	1,100.00			
PRODUCT OUTPUT	POTATOES	1,134.67	1,134.67	LB/HR		
WASTE OUTPUT	PARTICULATE	0.33	0.33	LB/HR		
RECYCLE	NONE					

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT FRACTION IN PRODUC FRACTION IN WARRANTETION IN RECYCLE STREAM BY WEIGHT STREAM BY WEIGHT STREAM BY WEIGHT
	NOMBER	
NONE		
	1	

STARCH DRYER SECTION 3, PROCESS AND MANUFACTURING - PART B OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER OPERATING SCHEDULE 24 25 HOURS/DAY DEC-FEB DAYAVEEK MAR-MAY 25 WEEKS/YEAR 365 JUN-AUG 25 25 SEP-NOV POLLUTION CONTROL EQUIPMENT SECONDARY PRIMARY None PARAMETER TYPE TYPE CODE (FROM APP. A) MANUFACTURER MODEL NUMBER PRESSURE DROP (IN. OF WATER) WET SCRUBBER FLOW (GPM) BAGHOUSE AIR/CLOTH RATIO (FPM) STACK DATA VENTILATION AND BUILDING/AREA DATA 4,498 GROUND ELEVATION (FT) ENCLOSED (Y/N)? 388 UTM X COORDINATE (KM) NA HOOD TYPE (FROM APP. B) UTM Y COORDINATE (KM) 4,784 MINIMUM FLOW (ACFM) NA STACK TYPE (SEE NOTE BELOW) PERCENT CAPTURE EFFICIENCY NA STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 28 BUILDING HEIGHT (FT) 16.5 2 100 STACK EXIT DIAMETER (FT) BUILDING/AREA LENGTH (FT) STACK EXIT GAS FLOWRATE (ACFM) 5,600 50 BUILDING/AREA WIDTH (FT) 92 STACK EXIT TEMPERATURE (DEG. F) AIR POLLUTANT EMISSIONS ALLOWABLE EMISSIONS PERCENT ESTIMATED OR EMISSION Units POLLUTANT CAS NUMBER CONTROL MEASURED FACTOR REFERENCE EFFICIENCY **EMISSIONS** (LBS/HR)** (TONS/YR) (SEE BELOW)* (LBS/HR) NA lb/lb 0 3.35E-01 2.95E-04 PM Tier II OP, No. 011-00027 3.35E-01 0.37 1.6 2.95E-04 lb/lb 0 PM-10 NA SO2 NΑ CO

NOX VOC NA

NA

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE NOTE:

LEAD *EF for NG from AP-42, Table 9.9.7-1, 1986. ** Summation of fuel burning and particulate emissions.

SCRATCH MASH DRYER

DEQ USE ONLY								
DEQ PLANT ID CODE			DEQ PROCESS CODE		DEQ STACK ID CODE			
DEQ BUILDING CODE			PRIMARY SCC		SECONDARY SCC			
DEQ SEGMENT CODE								
PART A: GENERAL	INFORMATIO	ON						
PROCESS CODE OR	DESCRIPTIC	SCRATCH MASH DRY	/ER			`		
STACK DESCRIPTION		POINT						
BUILDING DESCRIPTI	ON	PROCESSING PLANT	REBLEND ROOM					
MANUFACTURER		MAXON		MODEL	500	DATE INSTA	ALLED	1997
						DATE LAST	MODIFIED	1997
PROCESSING DATA								
PROCESS STREAM	MATERIAL		MAXIMUM	ACTUAL	UNITS			
	DESCRIPTI	ION	HOURLY	HOURLY				
			RATE	RATE	<u> </u>			
			1,000,00	1,800.00	LB/HR	٦		
INPUT	POTATOES	S	1,800.00	1,800.00	LD/RK			
PRODUCT OUTPUT	POTATOES		1,797.48	1,797.48	LB/HR			
WASTE OUTPUT	PARTICULA	ATE	2.52	2.52	LB/HR			
RECYCLE	NONE							
								

HAP DESCRIPTION	HAP CAS	FRACTION IN INPUT FRACTION IN PRODUC FRACTION IN WARRANCTION IN RECYCLE					
	NUMBER	STREAM BY WEIGHT STREAM BY WEIGHT STREAM BY WEIGHT					
NONE							
		· · · · · · · · · · · · · · · · · · ·					

SECTION 3, PROCESS AND MANUFACTURING - PART B

SCRATCH MASH DRYERS

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE		
DEC-FEB 25	HOURS/DAY	24	
MAR-MAY 25	DAYWEEK	7	
JUN-AUG 25	WEEKS/YEAR	365	
SEP-NOV 25			

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY None	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

C.	FAC	V F	LΔ	ΓΔ

ENCLOSED (Y/N)? N	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B) NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM) NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIENCY NA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT) 16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	45
BUILDING/AREA LENGTH (FT) 90	STACK EXIT DIAMETER (FT)	2.95
BUILDING/AREA WIDTH (FT) 60	STACK EXIT GAS FLOWRATE (ACFM)	22,700
	STACK EXIT TEMPERATURE (DEG. F)	92

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	Units	PERCENT	ESTIMATED OR		ALLOWABLE EM	ISSIONS
		FACTOR		CONTROL	MEASURED			
		(SEE BELOW)*		EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
				İ	(LBS/HR)			
					- 	·		
PM		1.40E-03	lb/lb	0	2.52E+00	NA		
PM-10		1.40E-03	b/lb	0	2.52E+00	2.56	11.20	Tier II OP, No. 011-00027
						,		
SO2		NA		J				
						· · · · · · · · · · · · · · · · · · ·	T	
CO		NA NA						
				····				
NOX		NA NA						
VOC		NA NA						
LEAD		NA NA				1		
ter from Mana Bolos	200	** Summation o	f fuel humi	ng and particulate er	nissions.			

*EF from Mass Balance

Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

PROCESS PEELER EXHAUST

DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					
PART A: GENERAL INFORMA PROCESS CODE OR DESCRIPTION	TION ON PROCESS PEELER EXHAUST				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING PLANT BUILDING # 3				
MANUFACTURER	ODENBURGE	MODEL	1500	DATE INSTALLED	1985
				DATE LAST MODIFIED	1985
PROCESSING DATA					

PROCESS STREAM	MATERIAL	MAXIMUM	ACTUAL	UNITS
	DESCRIPTION	HOURLY	HOURLY	
		RATE	RATE	
INPUT	RAW POTATOES	5,000.00	5,000.00	LB/HR
Lance of the land				
PRODUCT OUTPUT	PEELED RAW POTATOES	4,999.84	4,999.84	LB/HR
	-			
WASTE OUTPUT	PARTICULATE	0.16	0.16	LB/HR
RECYCLE	NONE			

HAP DESCRIPTION	HAP CAS	FRACTION IN INPUT	FRACTION IN PRODUCT	FRACTION IN WASTE	FRACTION IN RECYCLE
	NUMBER	STREAM BY WEIGHT	STREAM BY WEIGHT	STREAM BY WEIGHT	STREAM BY WEIGHT
NONE					
		-			
					1

SECTION 3	PROCESS	AND	MANUFACTURING -	PART B

SECTION 3, P	ROCESS AND MANUFACTU	RING - PART B PRO	OCESS PEELER EX	HAUST				
OPERATING I	DATA							
PERCENT FU	EL CONSUMPTION PER QUA	OPERATING S	OPERATING SCHEDULE					
DEC-FEB			HOURS/DAY]			
MAR-MAY			DAY/WEEK]		*	
JUN-AUG WEEKS/YEAR								
SEP-NOV								
<u> </u>								
POLLUTION C	CONTROL EQUIPMENT						•	
PARAMETER	TYPE	PRIMARY			SECONDAR'	Y		
TYPE CODE (FROM APP. A)							
MANUFACTUR	RER							
MODEL NUME	BER							
PRESSURE D	ROP (IN: OF WATER)							
WET SCRUBE	BER FLOW (GPM)							
BAGHOUSE A	NR/CLOTH RATIO (FPM)							
VENTILATION	AND BUILDING/AREA DATA		S	TACK DATA				
ENCLOSED ()	(/N)? N		GROUND ELE	VATION (FT)		4,498		
HOOD TYPE ((FROM APP. B) NA		UTM X COORE	DINATE (KM)		388		
MINIMUM FLO	W (ACFM) NA		UTM Y COORE	DINATE (KM)		4,784		
PERCENT CA	PTURE EFFICIENCY NA		STACK TYPE (SEE NOTE BELOW))	2		
BUILDING HE	IGHT (FT)	16.5	STACK EXIT H	EIGHT FROM GROU	JND LEVEL (F	T) 24		
BUILDING/ARI	EA LENGTH (FT)	65	STACK EXIT D	IAMETER (FT)				
BUILDING/ARI	EA WIDTH (FT)	60	STACK EXIT G	AS FLOWRATE (AC	FM)	38		
			STACK EXIT TO	EMPERATURE (DEG	6. F)	190		
	NT EMISSIONS							
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED		ALLOWABLE EMISSION	s	
		(SEE BELOW)*	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE	
PM		0.000032	0	0.16	NA			
PM-10		0.000032	0	0.16	0.16	0.7	Tier II OP No. 011-00027	
				1	0.10	0.1	1.107 11 07 110. 011-00027	
SO2		NA NA		<u> </u>	<u> </u>			
СО		NA NA						
NOX		NA						

VOC

NA

^{*}EF from Mass Balance

NA ** Summation of fuel burning and particulate emissions.

DEQ	USE	ONLY	

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	FLAKER NO. 1				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING BUILDING # 4				
MANUFACTURER	BLAU-KNOX	MODEL	6 X 16	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

PROCESSING DATA

PROCESS STREAM	MATERIAL	MAXIMUM	ACTUAL	UNITS
	DESCRIPTION	HOURLY	HOURLY	
		RATE	RATE	
INPUT	POTATOES	1,250.00	1,250.00	LB/HR
	1			
PRODUCT OUTPUT	POTATOES	1,246.21	1,246.21	LB/HR
	1			-
WASTE OUTPUT	PARTICULATE	3.79	3.79	LB/HR
RECYCLE	NONE			

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTERACTION IN RECYCLE STREAM BY WEIGHT STREAM BY WEIGHT
	NUMBER	STREAM BY WEIGHT	STREAM BY WEIGHT	STREAM DI WEIGHT STREAM DI WEIGHT
NONE				
				•

SECTION 3	PROCESS AND	MANUFACTURING -	- PART B

FLAKER 1

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE		
DEC-FEB 25	HOURS/DAY	24	
MAR-MAY 25	DAYWEEK	7	
JUN-AUG 25	WEEKS/YEAR	365	
SEP-NOV 25			

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE PRIMARY NONE	SECONDARY
TYPE CODE (FROM APP. A)	
MANUFACTURER	
MODEL NUMBER	
PRESSURE DROP (IN. OF WATER)	
WET SCRUBBER FLOW (GPM)	
BAGHOUSE AIR/CLOTH RATIO (FPM)	

VENTILATION AND BUILDING/AREA DATA

STACK	$D\Delta T\Delta$

STACKDATA	
GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	54
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	20,000
STACK EXIT TEMPERATURE (DEG. F)	120
	GROUND ELEVATION (FT) UTM X COORDINATE (KM) UTM Y COORDINATE (KM) STACK TYPE (SEE NOTE BELOW) STACK EXIT HEIGHT FROM GROUND LEVEL (FT) STACK EXIT DIAMETER (FT) STACK EXIT GAS FLOWRATE (ACFM)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR		ALLOWABLE EMI	SSIONS
		FACTOR (SEE BELOW)*	EFFICIENCY	MEASURED EMISSIONS (LBS/HR)	(LBS/HR)**	(TONS/YR)	REFERENCE
		0.003035	0	3.79375	l NA		
PM		0.003033		0.13010	ING.		
PM-10		0.003035	0	3.79375	16.7	73.11	Tier II OP No. 011-00027
\$02		NA					
CO		NA					
NOX		. NA					
VOC		NA NA					
LEAD		NA					

^{*}EF from AP-42, Appndix B.9.9.1, 1986.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

^{**} Summation of fuel burning and particulate emissions.

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CO	DDE	DEQ STACK ID	CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SO	cc	
DEQ SEGMENT COD	E					
PART A: GENERAL	INFORMATION					
PROCESS CODE OR	DESCRIPTIC FLAKER NO	D. 2				
STACK DESCRIPTION	N POINT					
BUILDING DESCRIPT	ION PROCESSI	NG BUILDING # 4				
MANUFACTURER	BLAU-KNO	x	MODEL	6 X 16	DATE INSTALLED	1970
					DATE LAST MODIFIED	1970
PROCESSING DATA						
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
INPUT	POTATOES	1,250.00	1,250.00	LB/HR		
PRODUCT OUTPUT	POTATOES	1,246.21	1,246.21	LB/HR		
WASTE OUTPUT	PARTICULATE	3.79	3.79	LB/HR		
RECYCLE	NONE					

HAP DESCRIPTION	HAP CAS	FRACTION IN INPUT FRACTION IN PRODUC FRACTION IN WASSACTION IN RECYCLE
	NUMBER	STREAM BY WEIGHT STREAM BY WEIGHT STREAM BY WEIGHT
NONE		

SECTION 3, PROCESS AND MANUFACTURING - PART B FLAKER 2

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY	24
MAR-MAY 25	DAYWEEK	7
JUN-AUG 25	WEEKS/YEAR	365
SEP-NOV 25		

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY NONE	SECONDARY
TYPE CODE (FROM APP. A)		· ·
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

VENTILATION AND BUILDING	KEA DATA	GIAGREATA	
ENCLOSED (Y/N)?	N	GROUND ELEVATION (FT)	4,498
HOOD TYPE (FROM APP. B)	NA	UTM X COORDINATE (KM)	388
MINIMUM FLOW (ACFM)	NA	UTM Y COORDINATE (KM)	4,784
PERCENT CAPTURE EFFICIEN	CYNA	STACK TYPE (SEE NOTE BELOW)	2
BUILDING HEIGHT (FT)	16.5	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	54
BUILDING/AREA LENGTH (FT)	100	STACK EXIT DIAMETER (FT)	3
BUILDING/AREA WIDTH (FT)	60	STACK EXIT GAS FLOWRATE (ACFM)	20,000
		STACK EXIT TEMPERATURE (DEG. F)	120

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	L	ALLOWABLE EM	ISSIONS
		FACTOR (SEE BELOW)*	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
				(LBS/HR)			
PM		0.003035	0	3,79375	l NA		
1 141			<u> </u>				
PM-10		0.003035	0	3,79375	16.7	73.11	Tier II OP No. 011-00027
				,			
SO2		NA NA			l .		
					ı	T	
CO		NA -				l	
NOX		NA					
VOC		NA					
		T	· · · · · · · · · · · · · · · · · · ·	1	1		
LEAD		NA NA	l hurning and particula				

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CO	DE	DEQ STACK ID C	ODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SC	С	
DEQ SEGMENT CODE						
PART A: GENERAL	INFORMATION					
PROCESS CODE OR	DESCRIPTIC FLAKER I	NO. 3				
STACK DESCRIPTION	POINT					
BUILDING DESCRIPTI	ON PROCESS	SING BUILDING # 4				
MANUFACTURER	BLAU-KN	OX	MODEL	5 X 16	DATE INSTALLED	1970
					DATE LAST MODIFIED	1970
PROCESSING DATA						
PROCESS STREAM	MATERIAL	MAXIMUM	ACTUAL	UNITS		
	DESCRIPTION	HOURLY	HOURLY	.		
		RATE	RATE			
INPUT	POTATOES	1,000.00	1,000.00	LB/HR		
INFOI	TOTATOLO	1,				
PRODUCT OUTPUT	POTATOES	996.96	996.96	LB/HR		
WASTE OUTPUT	PARTICULATE	3.04	3.04	LB/HR		
				1		
RECYCLE	NONE					

HAP DESCRIPTION	HAP CAS	FRACTION IN IN	PUT FRACTION IN PRO	DDUCFRACTION IN WARRACTION IN RECYCLE
	NUMBER	STREAM BY WE	IGHT STREAM BY WEIGHT	STREAM BY WEIGHT
NONE				
	<u> </u>			
	1			

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER

25 DEC-FEB MAR-MAY 25

25 JUN-AUG

25 SEP-NOV

OPERATING SCHEDULE

HOURS/DAY 24 DAY/WEEK

365 WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY NONE	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

N

NA HOOD TYPE (FROM APP. B) MINIMUM FLOW (ACFM) NA

PERCENT CAPTURE EFFICIENCY NA BUILDING HEIGHT (FT) 16.5

BUILDING/AREA LENGTH (FT) 100 BUILDING/AREA WIDTH (FT) 60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL	(FT) 45
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	20,000
STACK EXIT TEMPERATURE (DEG. F)	120

AIR POLLUTANT EMISSIONS

OLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATE	D OR	ALLOWABLE EMI	2210112
OLLUTANT	I	FACTOR	CONTROL	MEASURE			·
		(SEE BELOW)*	EFFICIENCY	EMISSIONS	(LBS/HR)**	(TONS/YR)	REFERENCE
		,		(LBS/HR)			
PM		0.003035	0	3.035	NA		
					107	73.11	Tier II OP No. 011-00027
PM-10		0.003035	0	3.035	16.7	73.11	THE IT OF THE, OTT COUL.
SO2		NA			<u> </u>		
co		NA			<u> </u>	l	
NOX		NA					
voc		NA					

^{*}EF from AP-42, Appndix B.9.9.1, 1986.

^{**} Summation of fuel burning and particulate emissions.

DEQ USE ONLY						
DEQ PLANT ID CODE			DEQ PROCESS COL	DE	DEQ STACK ID CODE	
DEQ BUILDING CODE			PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT COD	E					
PART A: GENERAL	. INFORMATIO	ON				
PROCESS CODE OR	DESCRIPTIO	FLAKER NO. 4				
STACK DESCRIPTION	1	POINT				
BUILDING DESCRIPT	ION	PROCESSING BUILI	DING # 4			
MANUFACTURER		BLAU-KNOX		MODEL	5 X 16	DATE INSTALLED 1970
						DATE LAST MODIFIED 1970
PROCESSING DATA						
PROCESS STREAM	MATERIAL		MAXIMUM	ACTUAL	UNITS	7
	DESCRIPT	ION	HOURLY	HOURLY		
			RATE	RATE		
INPUT	POTATOES	3	1,000.00	1,000.00	LB/HR	
				1	Louis	¬
PRODUCT OUTPUT	POTATOES	3	996.96	996.96	LB/HR	
WASTE OUTPUT	PARTICULA	ATE	3.04	3.04	LB/HR	
RECYCLE	NONE					
	-					

HAP DESCRIPTION	HAP CAS	FRACTION IN INPUT FRACTION IN PRODUC FRACTION IN WASSARCTION IN RECYCLE
	NUMBER	STREAM BY WEIGHT STREAM BY WEIGHT STREAM BY WEIGHT
NONE		
		·
	<u> </u>	